AC Clamp-on Current Transformer

SCTK08-C Series

The SCTK08-C series are clamp-on current transformers. The CT can be mounted to existing panels, such as control centers or load centers, to measure or monitor wattage. These CTs can be mounted without removing existing cables for easier installation.



Electrical Specifications

MODEL	INPUT CURRENT	AVAILABLE OUTPUT
SCTK0801-C	1 A	CURRENT OUTPUTS @ 2mA, 2.5mA, 4mA, 5mA,10mA VOLTAGE OUTPUTS @ 0.25V, 0.33V, 0.5V.
SCTK0802-C	2 A	
SCTK0803-C	3 A	
SCTK0805-C	5 A	
SCTK0810-C	10 A	

RoHS COMPLIANT

APPLICATIONS

- Energy and sub-metering products
- Electrical load monitoring
- Network equipment
- Instruments and sensors
- Control systems
- Go GREEN initiatives

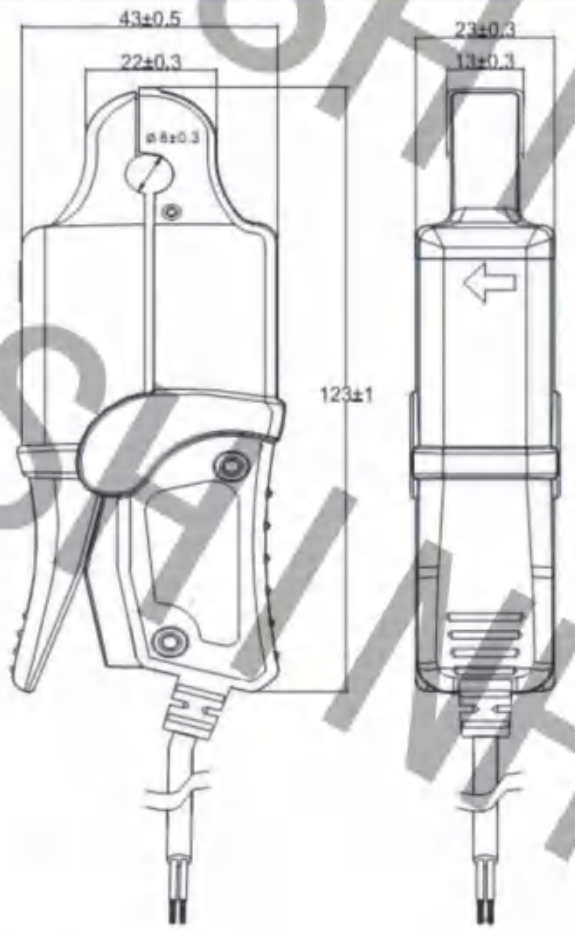
FEATURES

- 0.315" window opening (ID)
- Custom design Turns-Ratio available
- Rigid housing case with UL 94V-0 durable plastic
- 6ft black/white PVC wire leads—26~20AWG
- Approximate weight 250g

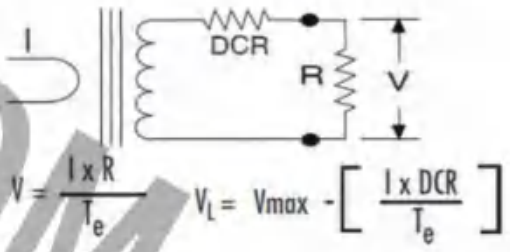
SPECIFICATIONS

- Standard Input Current 0.01-10A
- Frequency 50Hz — 400Hz
- Standard accuracy 0.2,0.5
- Insulation Voltage 2500 Vac/1min
- Operating Temp. -40°C to +70°C
- Storage Temp. -45°C to +85 °C
- ANSI C57.13 and C12.20 Standards

Mechanical Dimensions in mm



Connection Diagram



CAUTION

Before installation, safety precautions must be followed by licensed professional. Never energize primary unless short circuited terminals or burden connected to secondary.

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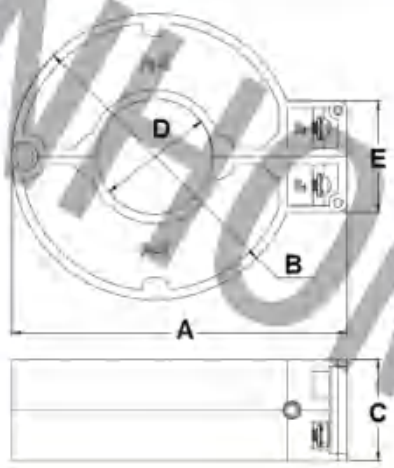
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Split Core Current Transformers

SCTK660A Series

SCTK660A series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





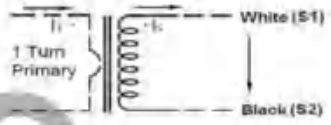
Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

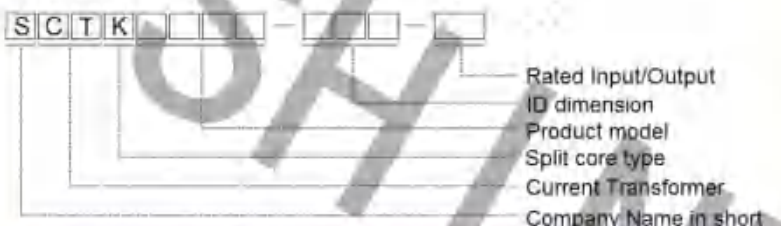
Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	≤± 0.2%
Phase angle	≤ ±30min
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	ABS/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃～+75℃
Operating Humidity	≤85%
Output Connection	Terminal or UL1015 22AWG Wire 1.5m

Type Selection

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm)				
				A	B	C	D	E
SCTK660A-010	0.5-100A (1、5、10、30、50、100)	0-50mA 0.333V	0.2、0.5、1.0	50.0	40.0	22.5	10.0	24.0
SCTK660A-016	1-250A (10、50、75、100、200、250)	0-100mA/1A 0.333V	0.2、0.5、1.0	61.0	50.0	22.5	16.0	24.0
SCTK660A-025	5-400A (10、50、100、200、250、400)	0-200mA/1A/5A 0.333V	0.2、0.5、1.0	74.0	62.0	22.5	25.0	24.0
SCTK660A-032	5-630A (10、50、100、200、250、630)	0-200mA/1A/5A 0.333V	0.2、0.5、1.0	81.5	70.0	22.5	32.0	24.0

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Split Core Current Transformers

SCTK660C Series

SCTK660C series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-1000A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	±0.2
Phase angle	±10min
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100M min

Mechanical Parameter	
Case	PC/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	25 75
Operating Humidity	85%
Output Connection	Terminal or UL1015 22AWG Wire 1.5m

Type Selection

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm)			
				A	B	C	D
SCTK660C-010	0.5-100A	0.333V/0-50mA	0.2 0.5 1.0	57.0	50.0	22.0	10.0
SCTK660C-019	1-250A	0.333V/0-100mA/1A	0.2 0.5 1.0	66.0	59.0	22.0	19.0
SCTK660C-025	5-400A	0.333V/0-200mA/1A/5A	0.2 0.5 1.0	73.0	65.0	22.0	25.0
SCTK660C-032	5-630A	0.333V/0-200mA/1A/5A	0.2 0.5 1.0	82.0	74.0	22.0	32.0
SCTK660C-045	5-1000A	0.333V/0-500mA/1A/5A	0.2 0.5 1.0	95.0	86.0	22.0	45.0

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Split Core Current Transformers

SCTK662 Series

SCTK662 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



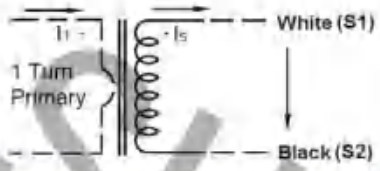
Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)					
				Ø	A	B	C	D	E
SCTK662A-025	5-400A (5、100、250、400A)	0-200mA 0-10V	0.2、0.5、1.0	25 (1.00)	98 (3.86)	70 (2.76)	22 (0.87)	16 (0.63)	30 (1.18)
SCTK662B-045	50-1000A (50、250、400、1000A)	0-500mA 0-10V	0.2、0.5、1.0	45 (1.77)	128 (5.04)	98 (3.86)	26 (1.02)	16 (0.63)	32 (1.26)
SCTK662C-065	100-1500A (100、800、1000、1500A)	0-500mA 0-10V	0.2、0.5、1.0	65 (2.56)	148 (5.83)	118 (4.65)	26 (1.02)	16 (0.63)	34 (1.34)
SCTK662D-080	500-2000A (500、1000、1500、2000A)	0-500mA 0-10V	0.2、0.5、1.0	80 (3.15)	164 (6.46)	132 (5.20)	28 (1.10)	16 (0.63)	36 (1.42)
SCTK662E-100	800-3000A (800、1000、2500、3000A)	0-600mA 0-10V	0.2、0.5、1.0	100 (3.94)	194 (7.64)	162 (6.38)	30 (1.18)	16 (0.63)	38 (1.50)

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Split Core Current Transformers

SCTK663 Series

SCTK663 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



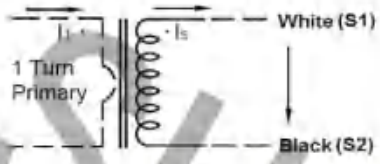
Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-1000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)					
				Ø	A	B	C	D	E
SCTK663A-025	5-400A (5、100、250、400A)	0-200mA 0-10V	0.2、0.5、1.0	25 (1.00)	118 (4.65)	90 (3.54)	42 (1.65)	16 (0.63)	32 (1.26)
SCTK663B-045	50-1000A (50、250、400、1000A)	0-500mA 0-10V	0.2、0.5、1.0	45 (1.77)	145 (5.71)	113 (4.45)	42 (1.65)	16 (0.63)	32 (1.26)

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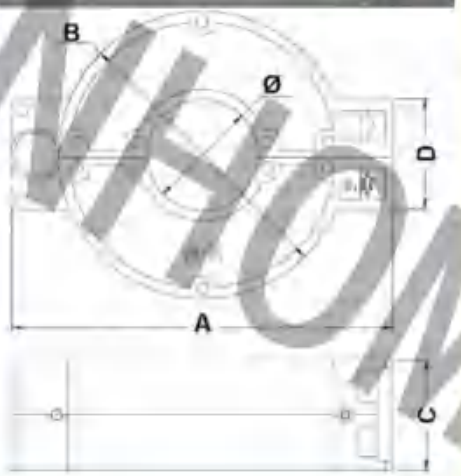
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Split Core Current Transformers

SCTK667B Series

SCTK667B series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





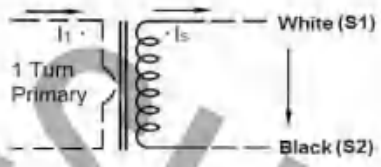
Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.1%
Phase angle	≤ ±5min
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	ABS /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal

Type Selection (Output: A/V/mA)

P/N	Rated Input (A)	Output (A/V/mA)	Accuracy	Dimensions(mm)				
				Ø	A	B	C	D
SCTK667B-025	0-400A	1A/5A 0-10V 0-500mA	0.1 0.2 0.5 1.0	25	100	70	33	32
SCTK667B-032	0-630A			32	110	83	33	32
SCTK667B-055	0-1500A			55	134	106	33	32
SCTK667B-080	0-2000A			80	168	139	33	32
SCTK667B-100	0-3000A			102	198	168	33	32

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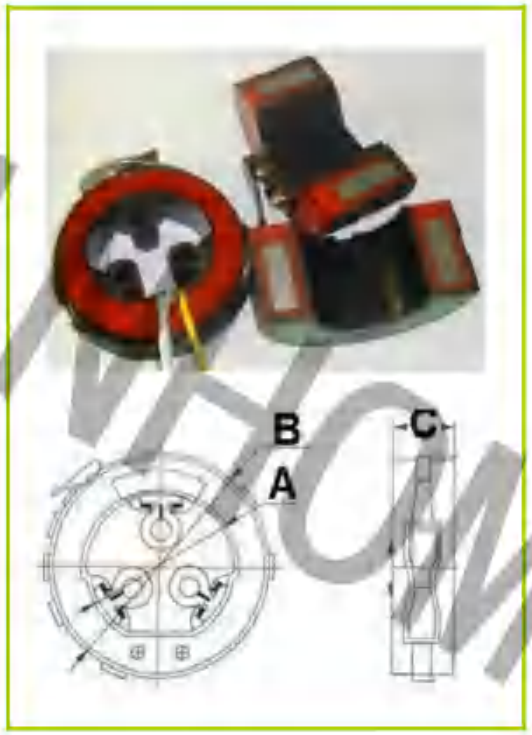
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Split Core Current Transformers

SCTK667C Series

SCTK667C series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-500Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃～+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 1.0m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)		
				A	B	C
SCTK667C-6432	0-1200A	1A/5A	0.2、0.5、1.0	64	104	32
SCTK667C-5052	0-1000A	1A/5A		50	110	52
SCTK667C-50105	0-1000A	1A/5A		50	110	105
SCTK667C-9632	0-2000A	1A/5A		96	130	32
SCTK667C-5550	0-1000A	1A/5A		55	86	50

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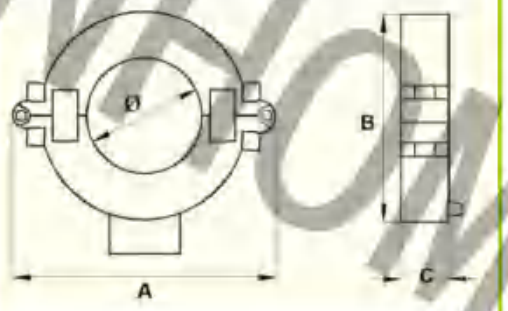
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Split Core Current Transformers(outdoor use)

SCTK667D Series

SCTK667D series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





Features

- Outdoor use, resisting wind, rain and UV fading,IP65, Acquisition voltage signal in the field
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-60Hz
Rated Input	50A-2000A
Measuring range	1%In-130%In
Rated Output	1A/5A
Ratio	≤± 0.2%
Phase angle	≤ ±10min
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC+ABS/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	−40℃~+85℃
Operating Humidity	≤96%
Output Connection	Terminal or UL14AWG Wire 1.5m

Type Selection

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)			
				Ø	A	B	C
SCTK667D-025	50-400A	1A/5A	0.5、1.0、3.0	**25**	**173**	**105**	**56**
SCTK667D-032	100-630A	1A/5A	0.5、1.0、3.0	**32**	**206**	**112**	**56**
SCTK667D-045	100-1000A	1A/5A	0.2、0.5、1.0	**45**	**193**	**125**	**56**
SCTK667D-055	100-1200A	1A/5A	0.2、0.5、1.0	**55**	**180**	**135**	**56**
SCTK667D-065	100-1500A	1A/5A	0.2、0.5、1.0	**65**	**203**	**145**	**56**
SCTK667D-080	200-2000A	1A/5A	0.2、0.5、1.0	**80**	**228**	**160**	**56**
SCTK667D-100	500-3000A	1A/5A	0.2、0.5、1.0	**100**	**248**	**180**	**56**

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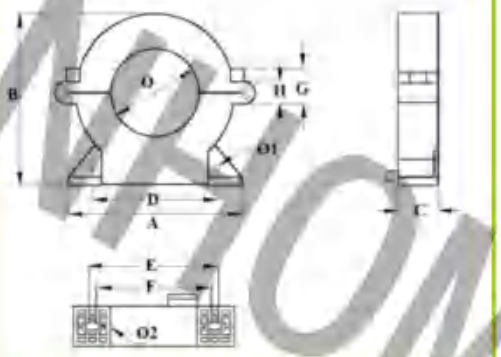
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Split Core Current Transformers

SCTK671 Series

SCTK671 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





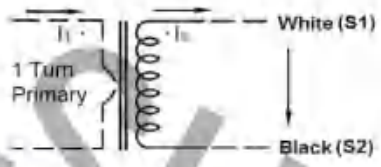
Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)										
				Ø	A	B	C	D	E	F	G	H	Ø1	Ø2
SCTK671A-025	5-400A (5、100、400A)	0-200mA 0-10V	0.2、0.5、1.0	25	80	75	22	56	73	53	21	17	5	5
SCTK671B-045	50-1000A (50、400、1000A)	0-500mA 0-10V		45	108	107	35	71	100	74	24	13	5	5
SCTK671C-065	100-1500A (100、1000、1500A)	0-500mA 0-10V		65	128	127	35	91	120	94	27	17	5	5
SCTK671D-080	500-2000A (500、1500、2000A)	0-500mA 0-10V		80	144	144	28	97	134	104	27	17	5	5
SCTK671E-100	800-3000A (800、2500、3000A)	0-600mA 0-10V		100	174	174	30	126	162	120	27	17	5	5

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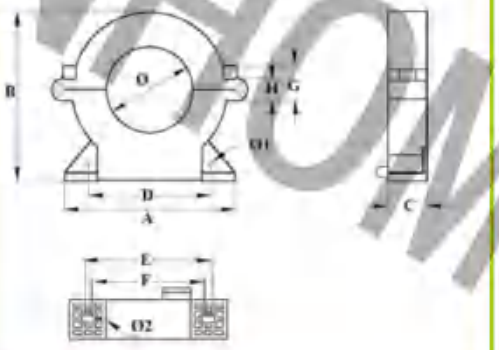
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Split Core Current Transformers

SCTK673 Series

SCTK673 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





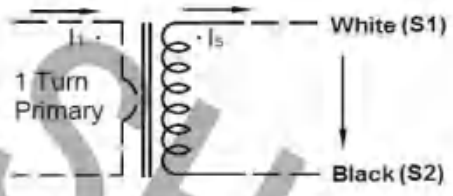
Features

- Epoxy Potting, Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-1000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.2%
Phase angle	≤ ±10min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃ ~ +75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)									
				Ø	A	B	C	D	E	F	G	Ø1	Ø2
SCTK673A-025	5-400A (5、100、250、400A)	0-200mA 0-10V	0.2、0.5、1.0	25 (1.0)	100 (3.9)	100 (3.9)	42 (1.7)	60 (2.4)	87 (3.4)	72 (2.8)	22 (0.9)	16 (0.6)	5 (0.2)
SCTK673B-045	50-1000A (50、250、400、1000A)	0-500mA 0-10V	0.2、0.5、1.0	45 (1.8)	123 (4.8)	123 (4.8)	42 (1.7)	80 (3.1)	109 (4.3)	94 (3.7)	23 (0.9)	16 (0.6)	5 (0.2)

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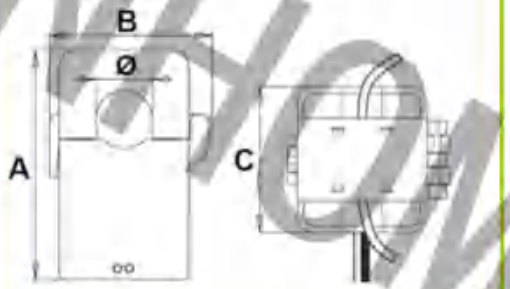
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Split Core Current Transformers

SCTK681B Series

SCTK681B series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





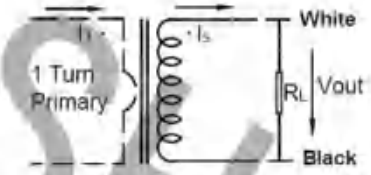
Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-2KHz
Rated Input	5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	≤± 1.0%
Phase angle	≤ ±60min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PA /UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 20AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)			
				Ø	A	B	C
SCTK681B-010	5-75A (5、10、20、50、75)	0-50mA 0.333V	0.5、1.0、3.0	10.0 (0.39)	41.5 (1.63)	30.0 (1.18)	26.5 (1.04)
SCTK681B-016	5-150A (5、10、50、100、150)	0-100mA 0.333V	0.5、1.0、3.0	16.0 (0.63)	53.0 (2.09)	36.0 (1.42)	30.5 (1.20)
SCTK681B-024	10-250A (10、50、100、200、250)	0-200mA 0.333V	0.5、1.0、3.0	24.0 (0.95)	70.0 (2.76)	51.5 (2.03)	39.0 (1.50)
SCTK681B-035	10-630A (20、100、250、400、600)	0-500mA 0.333V	0.5、1.0、3.0	35.0 (1.38)	84.0 (3.31)	65.0 (2.56)	41.0 (1.61)

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Product Specification

Date:2015-8-7

Product Name	Current transformer	Model	SCTK681C-013

Characteristics:Openning size 13mm*13mm,1m leading wire, standard 3.5 three-core plug output. voltage output type.

Purpose Used for current measurement, monitor and protection for AC motor,lighting equipment, air compressor etc.

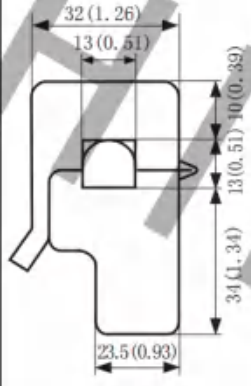
Technical Data

I_{PN}	Rated input	0-60A
I_{PM}	Max. detection input	
I_{OUT}	Rated output	0-1V
X	Accuracy	±1%
ε_L	Linearity	≤0.2%
N	Turns ratio	1:1800
Φ	Phase shift	
R_L	Max.Sampling resistance	
V_{PN}	Work voltage	660V
f	Work frequency	50-1KHz
T_A	Operating temperature	-25..+70℃
T_S	Storage temperature	-40..+85℃
Vd	Dielectric strength, 50 Hz, 1 min	3KV

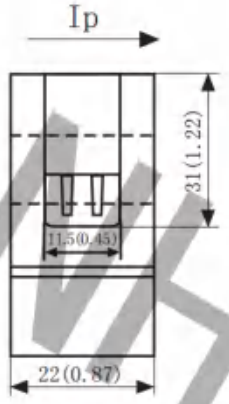


Fire resistance	UL94-V0
Material of core	Ferrite
Mounting type	Suspension
Weight	55g

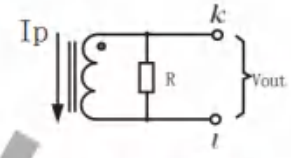
Dimension (mm(in). 1 mm= 0.0394 inch)



Front view

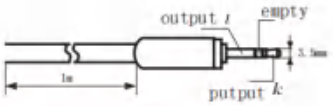


Side view



voltage output type

Schematic diagram



can provide other wiring way

Standard three-core pligs schematic diagram

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Clamp on Current Transformers

SCTK691/2 Series

SCTK691/2 series retro-fit (Clamp-on) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





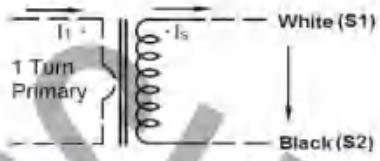
◆ Features

- Clamp on design,Fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

◆ Circuit connection diagram



◆ Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	≤ ± 0.1%
Phase angle	≤ ±10min
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	ABS /UL94-V0
Bobbin	PBT
Core	Silicon steel / Permalloy
Internal structure	Screw
Construction	Screw
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

◆ Type Selection

P/N	Rated Input	Ratio	Accuracy	Dimensions(mm) (ID-L-W-H)
SCTK691A-008	0-20A	1000：1 2000：1 2500：1 4000：1	0.1、0.2、0.5	8.0-135.0-42.0-20.0
SCTK691A-013	0-100A		0.1、0.2、0.5	13.0-137.0-42.0-25.0
SCTK691A-020	5-250A		0.1、0.2、0.5	20.0-137.0-46.0-25.0
SCTK691A-050	100-1200A		0.1、0.2、0.5	50.0-215.0-104.0-27.0
SCTK692A-085	100-1500A		0.1、0.2、0.5	82.0*52.0-272.0-116.0-37.0
SCTK692A-125	100-3000A		0.1、0.2、0.5	125.0*52.0-327.0-116.0-37.0

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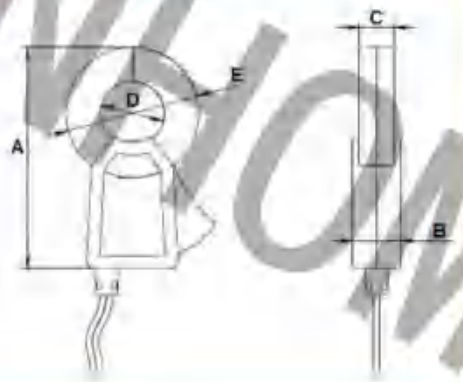
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Split Core Current Transformers

SCTK691C Series

SCTK691C series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	≤± 0.2%
Phase angle	≤ ±10min
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal or UL1015 22AWG Wire 1.5m

Type Selection

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm)				
				A	B	C	D	E
SCTK691C-010	0.5-100A	0.333V/0-50mA	0.2、0.5、1.0	63.0	25.0	20.0	10.0	37.0
SCTK691C-016	1-250A	0.333V/0-100mA	0.2、0.5、1.0	71.0	20.0	15.0	16.0	43.0
SCTK691C-025	5-400A	0.333V/0-200mA	0.2、0.5、1.0	87.0	20.0	15.0	25.0	52.0
SCTK691C-036	5-630A	0.333V/0-200mA/1A	0.2、0.5、1.0	117.0	27.0	22.0	35.0	71.0
SCTK691C-050	5-1000A	0.333V/0-500mA/1A/5A	0.2、0.5、1.0	135.0	27.0	22.0	50.0	100.0

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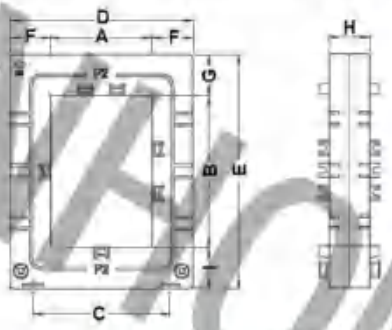
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Split Core Current Transformers

SCTK731 Series

SCTK731 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.





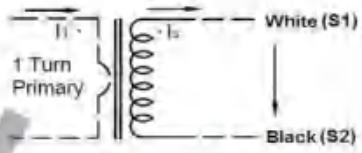
Features

- Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	≤ ±0.5%
Phase angle	≤ ±30min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PC
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal

Type Selection (Output: 1A/5A)

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)								
				A	B	C	D	E	F	G	H	I
SCTK731A(23)	100-400A	1A/5A	0.5、1.0、3.0	20	30	50	88	104	34	41	40	31
SCTK731B(58)	250-1000A	1A/5A	0.5、1.0、3.0	50	80	78	114	145	32	32	33	33
SCTK731C(88)	250-1000A	1A/5A	0.5、1.0、3.0	80	80	108	144	145	32	32	33	33
SCTK731D(812)	500-1500A	1A/5A	0.5、1.0、3.0	80	120	108	144	185	32	32	33	33
SCTK731E(814)	600-5000A	1A/5A	0.5、1.0、3.0	80	140	122	176	228	47	47	53	38
SCTK731F(816)	800-5000A	1A/5A	0.5、1.0、3.0	80	160	120	176	246	48	48	53	38
SCTK731G(36)	100-3000A	1A/5A	0.5、1.0、3.0	30	60	88	132	131	49	36	55	43
SCTK731H(513)	100-4000A	1A/5A	0.5、1.0、3.0	55	130	80	125	195	35	30	53	35

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Split Core Current Transformers

SCTK732A Series

SCTK732A series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.

Circuit connection diagram



Designation



Technique Index

Electrical Parameter	
Frequency	50-2.5KHz
Rated Input	0.5A-5000A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-5A
Ratio	≤± 0.2%
Phase angle	≤ ±10min
Dielectric strength	5.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC+ABS/UL94-V0
Bobbin	PC+ABS
Core	Silicon
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃ ~ +75℃
Operating Humidity	≤85%
Output Connection	Terminal

Type Selection （Output: 1A/5A/0.333V）

P/N	Input (A)	Output (A/V)	Accuracy	Dimensions(mm)									
				A1	B1	A	B	C	D	E	F	G	H
SCTK732A-330	0-630A	1A/5A/0.333V	0.2、0.5、1.0	33	32	65	104	64	78	13	2	28	44
SCTK732A-430	0-800A	1A/5A/0.333V	0.2、0.5、1.0	43	32	75	104	64	78	13	2	28	44
SCTK732A-530	0-1250A	1A/5A/0.333V	0.2、0.5、1.0	53	32	85	104	64	78	13	2	28	44
SCTK732A-630	0-1600A	1A/5A/0.333V	0.2、0.5、1.0	63	32	95	104	64	78	13	2	28	44
SCTK732A-830	0-2000A	1A/5A/0.333V	0.2、0.5、1.0	83	32	115	104	64	78	13	2	28	44
SCTK732A-1030	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	103	32	135	104	64	78	13	2	28	44
SCTK732A-1230	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	123	32	155	104	64	78	13	2	28	44
SCTK732A-1330	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	133	32	165	104	64	78	13	2	28	44
SCTK732A-1430	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	143	32	175	104	64	78	13	2	28	44
SCTK732A-350	0-630A	1A/5A/0.333V	0.2、0.5、1.0	33	52	65	124	64	78	13	2	28	44
SCTK732A-450	0-800A	1A/5A/0.333V	0.2、0.5、1.0	43	52	75	124	64	78	13	2	28	44
SCTK732A-550	0-1250A	1A/5A/0.333V	0.2、0.5、1.0	53	52	85	124	64	78	13	2	28	44

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Split Core Current Transformers

SCTK732A Series

SCTK732A-650	0-1600A	1A/5A/0.333V	0.2、0.5、1.0	63	52	95	124	64	78	13	2	28	44
SCTK732A-850	0-2000A	1A/5A/0.333V	0.2、0.5、1.0	83	52	115	124	64	78	13	2	28	44
SCTK732A-1050	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	103	52	135	124	64	78	13	2	28	44
SCTK732A-1250	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	123	52	155	124	64	78	13	2	28	44
SCTK732A-1350	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	133	52	165	124	64	78	13	2	28	44

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Split Core Current Transformers

SCTK732A Series

SCTK732A-650	0-1600A	1A/5A/0.333V	0.2、0.5、1.0	63	52	95	124	64	78	13	2	28	44
SCTK732A-850	0-2000A	1A/5A/0.333V	0.2、0.5、1.0	83	52	115	124	64	78	13	2	28	44
SCTK732A-1050	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	103	52	135	124	64	78	13	2	28	44
SCTK732A-1250	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	123	52	155	124	64	78	13	2	28	44
SCTK732A-1350	0-2500A	1A/5A/0.333V	0.2、0.5、1.0	133	52	165	124	64	78	13	2	28	44

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Split Core Current Transformers

SCTK751 Series

SCTK751 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



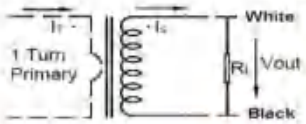
Features

- Split core design, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-60Hz
Rated Input	5A-5000A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	±1.0%
Phase angle	≤ ±90min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Construction	Tie
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.0m

Type Selection

P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)				
				A	B	C	D	E
SCTK751A	5-200A (5、10、30、50、75、100、125、150、200)	0-13.3mA 0.333V	1.0	50.8 (2.00)	53.3 (2.09)	15.0 (0.59)	19.1 (0.75)	19.1 (0.75)
SCTK751B	10-400A (10、50、75、150、200、250、300、400)	0-26.6mA 0.333V	1.0	59.6 (2.35)	62.7 (2.47)	21.0 (0.83)	19.1 (0.75)	19.1 (0.75)
SCTK751C	50-630A (50、100、125、200、250、400、600、630)	0-66.6mA 0.333V	1.0	82.5 (3.25)	85.1 (3.35)	25.6 (1.01)	31.8 (1.25)	31.8 (1.25)
SCTK751D	100-2000A (100、250、400、630、800A、1000、2000)	0-200mA 0.333V	1.0	121.0 (4.76)	127.0 (5.00)	30.4 (1.19)	50.8 (2.00)	50.8 (2.00)
SCTK751E	200-3000A (200、250、400、630、1500、2500、3000)	0-300mA 0.333V	1.0	118.0 (4.65)	133.0 (5.24)	24.0 (0.94)	68.0 (2.68)	80.0 (3.15)
SCTK751F	400-5000A (400、800、1000、1500、2000、3000、5000)	0-500mA 0.333V	1.0	146.0 (5.75)	190.5 (7.50)	35.6 (1.40)	76.2 (3.00)	127.0 (5.00)

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Split Core Current Transformers

SCTK831 Series

SCTK831 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.



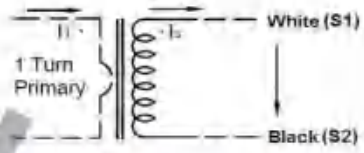
Features

- Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

Circuit connection diagram



Technique Index

Electrical Parameter	
Frequency	50-60Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	≤±0.5%
Phase angle	≤ ±30min
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PC
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	−25℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal

Type Selection (Output: 1A/5A)

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)				
				a	e	W	H	D
SCTK831A(23)	20-400A	1A/5A	0.5、1.0、2.0、3.0	20	30	30	30	31
SCTK831B(46)	250-1500A	1A/5A	0.5、1.0	40	60	114	140	36
SCTK831C(58)	250-1500A	1A/5A	0.5、1.0	50	80	122	163	40
SCTK831D(88)	250-1500A	1A/5A	0.5、1.0	80	80	144	162	36
SCTK831E(510)	1000-4000A	1A/5A	0.2、0.5、1.0	50	100	141	190	36
SCTK831F(612)	400-5000A	1A/5A	0.2、0.5、1.0	60	125	164	195	51
SCTK831G(614)	1000-5000A	1A/5A	0.2、0.5、1.0	60	140	162	230	36
SCTK831H(812)	500-1500A	1A/5A	0.2、0.5、1.0	80	120	151	204	36
SCTK831I(816)	1000-5000A	1A/5A	0.2、0.5、1.0	80	160	184	250	36
SCTK831K(820)	1000-5000A	1A/5A	0.2、0.5、1.0	80	200	183	300	52

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Open loop hall effect current sensor

HFC-5A~1200A HKC-20A~15,000A

Used to measure DC, AC, pulse current.... The measured current on the primary side is electrically isolated from the output current on the secondary side

Feature:

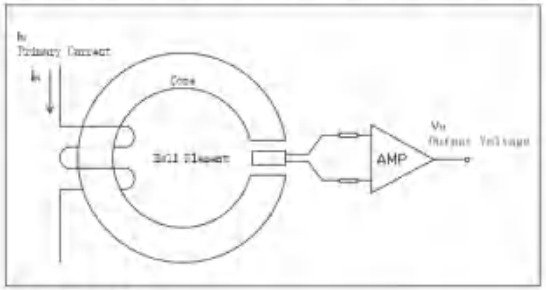
Test frequency: 0~20KHz
Response time: Less than 10uS
Linearity: 0.1%

No insertion loss measured

Measure AC, DC and pulse current

The primary current is highly isolated from the secondary output signal

Open-loop Hall magnetic compensation principle manufacturing



Working principle:
When the measured current IN flows through the conductor, a magnetic field proportional to the current is generated around the conductor, which is measured by the Hall element. The output voltage Vm is proportional to the measured current IN, and the Vm accurately reflects the current on the primary side.

HFC Series hall effect current sensor

Part No (* rated current)	Rated input current I_N(A)	I_V(A)	V_o(V)	Ta=25℃	Ioff(mV)	Vc(V)	Ic(mA)	Vi(KV)	Ta(℃)	W(g)	Input hole mm	Fig. No.
HFC-*BP	50/100/300/500/600	±I_Nx133%	2.5V±1.5V	1.0%	2.5V±30mV	+5	15	2.5	-40~+85	85	10x20	1
HFC-*FS	50/100/300/500/600	±I_Nx133%	2.5V±1.5V	1.0%	2.5V±30mV	+5	15	2.5	-40~+85	85	φ20	19
HFC-*P	5/10/15/20/25	±I_Nx150%	±4	1.0%	±30	±12~15	25	2.5	-10~+70	15	PCB	7
HFC-*B	10/50/100/200/300/400/600	±I_Nx150%	±4	1.0%	±30	±12~15	25	2.5	-10~+70	40	10x20	13
HFC-*H	50/100/200/300/400/500/600	±I_Nx150%	±4	1.0%	±30	±12~15	25	3	-10~+70	80	16x22	14
HFC-*F	20/50/100/200/400/600	±I_Nx150%	±4	1.0%	±30	±12~15	25	3	-10~+70	105	φ20	10
HFC-*G	50/100/200/400/600/800	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	360	φ35	11
HFC-*K	100/300/500/800/1000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	700	φ45	4
HFC-*L	200/500/1000/1200	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	900	φ55	8

HKC Series hall effect current sensor(Split core)

Part No (* rated current)	Rated input current I_N(A)	I_V(A)	V_o(V)	Ta=25℃	Ioff(mV)	Vc(V)	Ic(mA)	Vi(KV)	Ta(℃)	W(g)	Input mm	Fig. No.
HKC-*R	50/100/200/400/600/800	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	290	φ40	2
HKC-*R1	20/50/100/200/300/400/500	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	100	φ21	12
HKC-*Y4	50/100/200/300/400/500/600	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	110	15x41.5	3
HKC-*Y31	100/500/1000/1500/2000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	330	16x64	16
HKC-*Y2	500/1000/2000/3000/6000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	550	23x103.5	5
HKC-*Y21	500/1000/2000/3000/6000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	660	40x103.5	17
HKC-*Y1	1000/2000/3000/5000/10000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	800	50x165	6
HKC-*Y11	2000/3000/5000/10000/15000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	1100	78x165	18
HKC-*Y0	2000/3000/5000/8000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	600	20.5x165	9
HKC-*Y01	1000/2000/3000/4000/5000	±I_Nx150%	±4	1.0%	±30	±12~15	25	5	-10~+70	1000	20.5x205	15

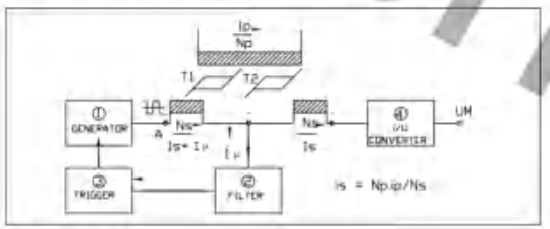
HDC Series low DC current sensor

Part No (* rated current)	Rated input current I_N(A)	I_V(mA)	V_o(V)	Ta=25℃	Ioff(mV)	Vc(V)	Ic(mA)	Vi(KV)	Ta(℃)	W(g)	Input mm	Fig. No.
HDC-*F	20/50/100/200/300	±I_Nx150%	±5	1.0%	±50	±12~15	25	3	-10~+85	105	φ20	19
HDC-*G	20/50/100/200/300	±I_Nx150%	±5	1.0%	±50	±12~15	25	5	-10~+85	360	φ35	11

* : Rated current

Low current (leakage current) sensor

HDC-20mA~300mA(DC)



Working principle:

The compensation current generated by the internal square wave shaker compensates the primary current to achieve magnetic field balance. At this time, the output value accurately reflects the primary current, which is mainly used for small current and difference current detection.



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Fig. 1

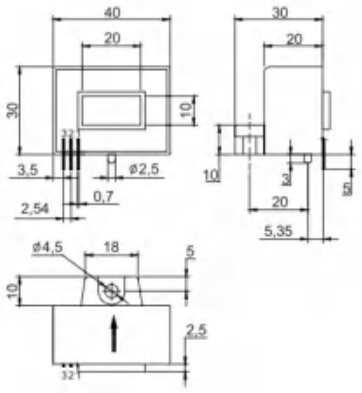


Fig. 2

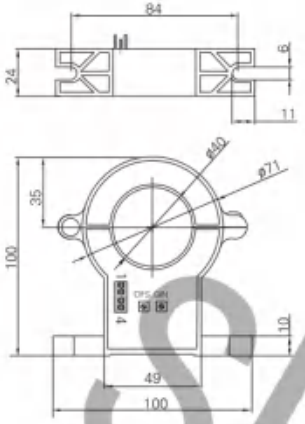


Fig. 3

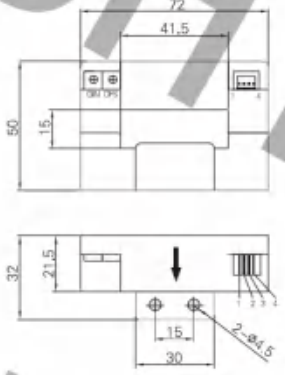


Fig. 4

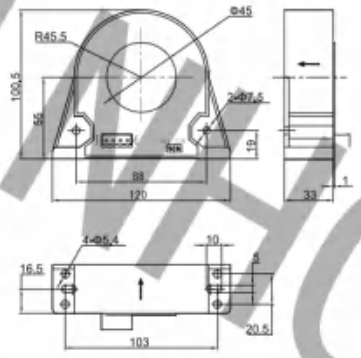


Fig. 5

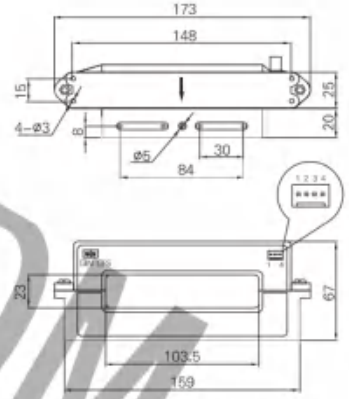


Fig. 6

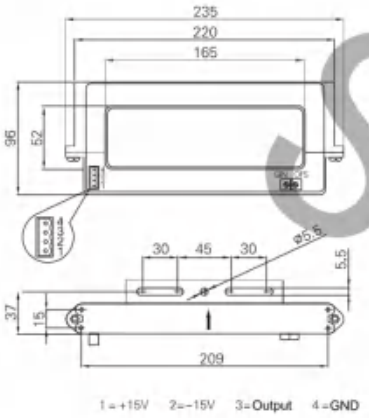


Fig. 7

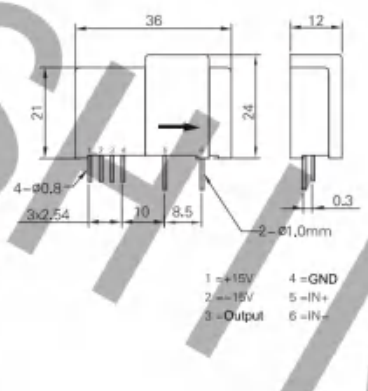


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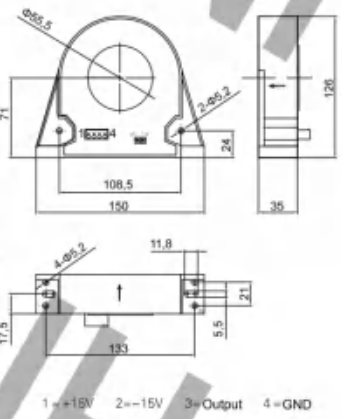


Fig. 9

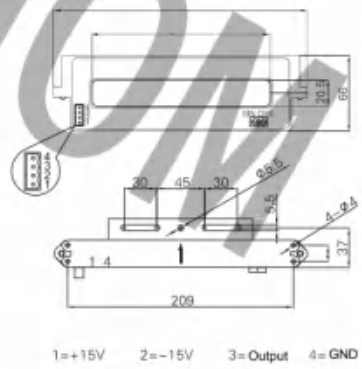
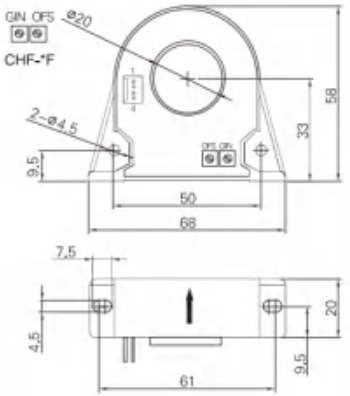


Fig. 10



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Fig. 11

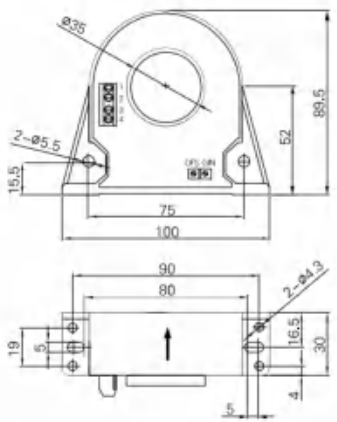
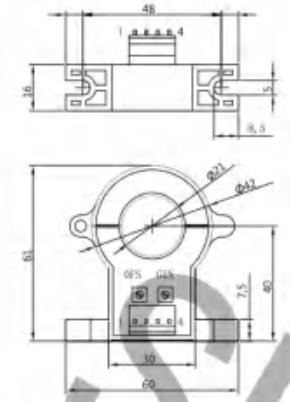
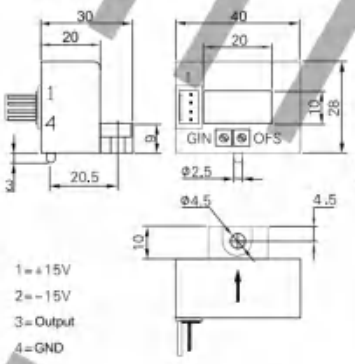


Fig. 12



HCK-*R1: 1=+15V 2=-15V 3=Output 4= GND

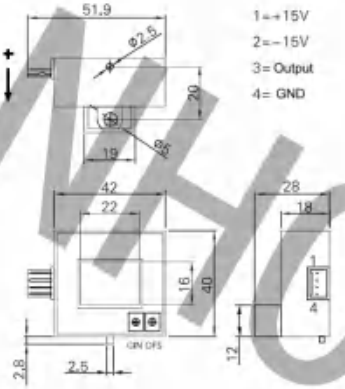
Fig. 13



1=+15V
2=-15V
3=Output
4=GND

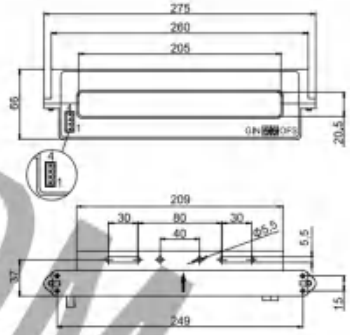
Note: HCF-*C Lead wire output

Fig. 14



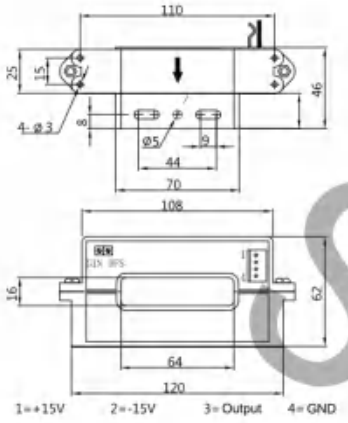
1=+15V
2=-15V
3= Output
4= GND

Fig. 15



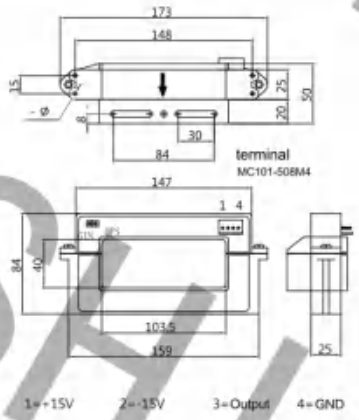
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Fig. 16



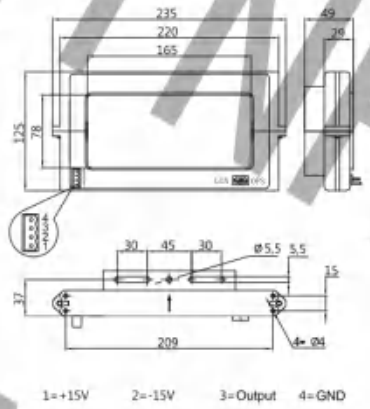
1=+15V 2=-15V 3=Output 4=GND

Fig. 17



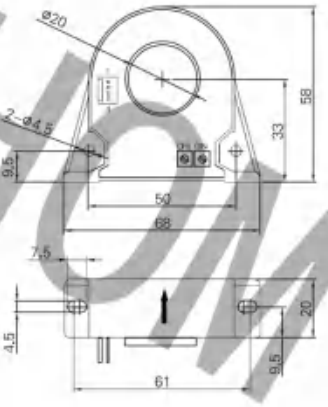
1=+15V 2=-15V 3=Output 4=GND

Fig. 18



1=+15V 2=-15V 3=Output 4=GND

Fig. 19



M	Output
M+	Output+
M-	Output-
NC	NO
IN	Input
IN+(+HT)	Input+
IN-(-HT)	Input-
+VN	Input voltage+
-VN	Input voltage-

I_N	Nominal current	Voff	Offset voltage
V_N	Nominal voltage	Td	Temperature drift
I_P	Measuring range	L	Linearity
R_M	Measuring resistance	Tr	Response time
I_M	Output current	f	Frequency bandwidth
V_M	Output voltage	Ta	Operating temperature
K_N	Turns ratio	Ts	Storage temperature
X	Accuracy	Ic	Current consumption
Vc	Supply voltage	Rs	Secondary resistance
Vi	Isolation voltage	R_N	Primary resistance
Ioff	Offset current	W	Weight

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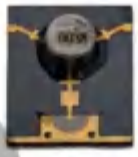


RF Isolators &Circulators









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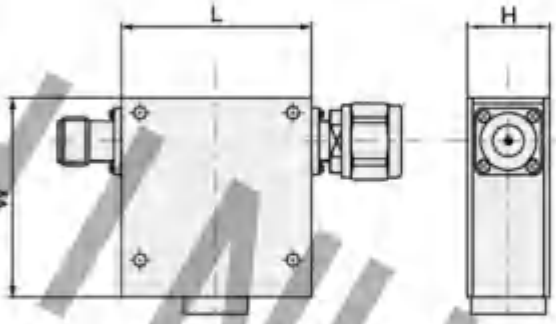
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Coaxial Isolators





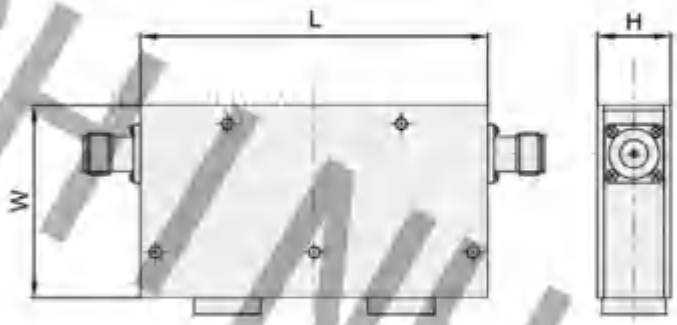
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG0101F-100	0.1-0.16	5	0.3	20	1.20	-10~+70	400	50~250	80*80*31	N
	0.136-0.174	Full	0.4	20	1.25					
	0.17-0.3	10	0.3	23	1.20					
		40	0.4	20	1.25					
MTG0101F1	0.088-0.108	20	0.6	18	1.30	0~+60	60	20	41*65*20	SMA or N
	0.136-0.174	38	0.5	20	1.25					
	0.3-0.8	200	0.8	18	1.30					
MTG0101-A	0.14-0.17	4	0.4	23	1.20	-10~+70	150	20	50.5*53*22	SMA or N
	0.15-0.18	10	0.4	20	1.25					
	0.2-0.3	20	0.4	20	1.25					
MTG0101-A100	0.14-0.16	4	0.4	20	1.20	-10~+70	200	100	50.5*63*22	SMA or N
	0.16-0.2	4	0.3	23	1.20					
	0.2-0.3	20	0.3	20	1.20					
MTG0301A	0.2-0.3	10	0.3	23	1.20	-10~+70	100	20	52*57.5*22	SMA or N
	0.3-0.4	Full	0.5	18	1.30	-10~+70				
	0.4-0.52	Full	0.3	20	1.25	-30~+70				
	0.4-1.4	100	0.4	20	1.25	-30~+70				
MTG0301A-100	0.2-0.3	20	0.3	20	1.20	-10~+70	200	100	52*67.5*22	SMA or N
	0.3-0.4	Full	0.5	18	1.30	-30~+70				
	0.4-0.52	Full	0.3	20	1.25	-30~+70				
	0.4-1.4	200	0.4	20	1.25	-30~+70				

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

SHINHOM

Coaxial Isolators





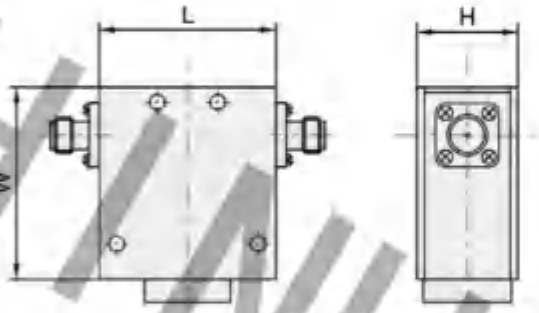
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB,Max)	Isolation (dB,Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W,Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG0301S-100	0.14-0.18	4	0.8	50	1.20	-10~+70	200	100	104*57.5*22	SMA or N
	0.18-0.25	10	0.8	50	1.20					
	0.25-0.35	20	0.6	50	1.20					
	0.35-0.9	5	0.4	70	1.15	-30~+70				
		10	0.5	65	1.20					
		20	0.6	50	1.20					
MTG0501CS	0.35-1.0	6	0.5	55	1.15	-30~+70	150	60~150	96*50*25.6	SMA or N
	0.45-0.512	Full	0.4	50	1.20					
	0.7-1.0	Full	1.0	35	1.35					
MTG0401B	0.25-0.3	4	0.4	20	1.20	-10~+70	150	20	35*38*20	SMA or N
	0.3-0.4	10	0.3	23	1.20	-30~+70				
	0.4-0.47	Full	0.4	20	1.25					
	0.4-0.6	20	0.3	25	1.15					
MTG0401B-200	0.25-0.3	4	0.4	20	1.20	-10~+70	200	150	35*60*20	SMA or N
	0.3-0.4	10	0.3	23	1.20					
	0.4-0.6	20	0.3	25	1.15					
	0.4-0.47	Full	0.4	20	1.25					
MTG0701B2	0.5-0.7	Full	0.5	16	1.40	-30~+70	100	20	35*38*20 (Drawing A01)	SMA or N
	0.6-0.8	Full	0.4	19	1.25					
	0.698-0.96	Full	0.4	17	1.35					
	0.728-0.96	Full	0.35	19	1.25					
	0.7-1.0	Full	0.5	15	1.45					
	0.95-1.25	Full	0.4	18	1.30	-40~+85	100	20		
	1.0-1.5	Full	0.5	17	1.35					
	1.1-1.6	Full	0.4	19	1.25					
	1.1-1.7	Full	0.5	16	1.40					
	1.35-1.85	Full	0.5	20	1.25					
	1.4-2.0	Full	0.4	20	1.25					
	1.7-2.4	Full	0.35	20	1.25					

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

SHINHOM

Coaxial Isolators





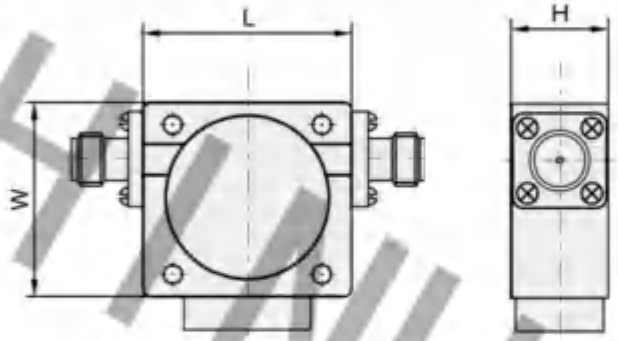
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG0701B2	1.8-2.2	Full	0.35	20	1.20	-40~+85	100	10~20	35*38*20	SMA or N
	2.3-2.7	Full	0.35	20	1.20					
MTG0701B2-200	0.698-0.96	Full	0.4	17	1.35	-30~+70	300	200	35*60*20	N
	0.728-0.96	Full	0.35	19	1.25					
	0.7-1.0	Full	0.6	16	1.45					
	1.8-2.2	Full	0.4	20	1.25					
	2.3-2.7	Full	0.4	20	1.25					
MTG0401BS	0.3-0.35	10	0.6	40	1.20	-30~+70	200	20~200	70*38*20	SMA or N
	0.35-0.5	10	0.5	50	1.15					
	0.4-1.0	4	0.6	60	1.15					
	0.4-0.47	Full	0.8	40	1.25					
MTG0701B2S	0.5-0.7	20	0.6	50	1.15					
	0.8-2.7	200	0.8	40	1.25					
MTG0501A	0.4-0.7	50	0.3	23	1.20	-30~+70	100	20	48*51*24	SMA or N
	0.7-0.96	Full	0.45	18	1.30					
	0.7-1.0	Full	0.5	17	1.35					
MTG0501A-200	0.4-0.7	100	0.3	23	1.20	-30~+85	400	200	48*73*24	N
	0.728-0.96	Full	0.4	18	1.30					
	0.7-1.0	Full	0.5	16	1.40					

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Coaxial Isolators





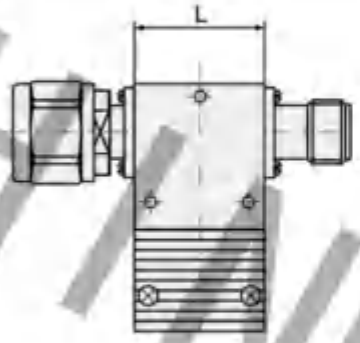
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG0801B2	0.6-0.8	20	0.3	23	1.15	-40~+85	150	20	30*33*20	SMA or N
	0.8-1.4	70	0.25	25	1.15					
		200	0.4	20	1.25					
	1.4-2.7	300	0.4	20	1.25					
MTG0801B1	0.6-0.8	70	0.3	25	1.20	-40~+85	150	20	30*33*15	SMA
	0.8-1.7	200	0.4	20	1.25					
MTG0801S	0.8-2.7	30	0.4	50	1.15	-40~+85	150	20	60*33*20	N
		200	0.5	40	1.20					
MTG101G	0.4-0.6	10	0.3	23	1.20	-10~+70	100	20	28*26*13	SMA
	0.6-1.0	30	0.3	25	1.15	-40~+85				
	0.96-1.215	Full	0.4	20	1.25					
	1.2-2.0	200	0.3	20	1.25					
MTG101G-23K	2-3	Full	0.5	21	1.22	-30~+70	50	20	28*26*13	SMAK
MTG101G-24K	2-4	Full	0.6	20	1.25	-30~+70	50	20		

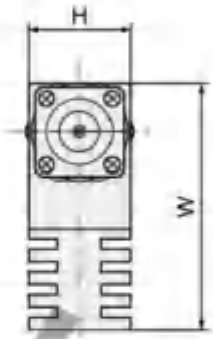
Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Coaxial Isolators





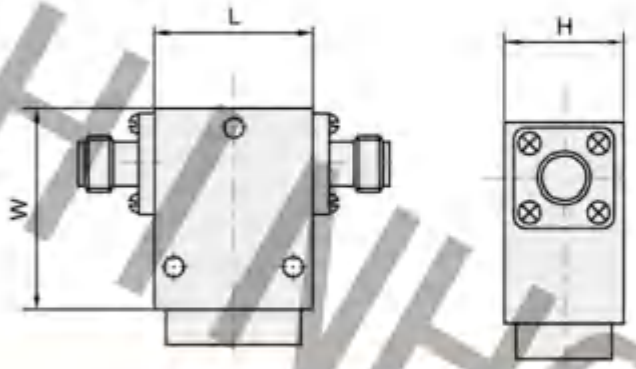


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB,Max)	Isolation (dB,Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W,Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG101GS	0.4-0.6	10	0.6	45	1.20	-10~+70	150	20	53.4*26*13	SMA
	0.6-1.0	30	0.6	50	1.15	-40~+85				
	0.96-1.215	Full	0.7	40	1.25					
	1.2-2.0	200	0.6	40	1.25					
MTG101GS-23K	2-3	Full	1.0	42	1.22	-30~+70	50	20	53.4*26*13	SMAK
MTG101GS-24K	2-4	Full	0.6	40	1.25					
MTG101B	0.8-3.8	70	0.3	25	1.20	-40~+85	100	20	25.4*28.5*20 (Drawing A02)	SMA or N
	1.0-1.6	200	0.4	20	1.25					
	1.6-3.8	400	0.4	20	1.25					
		500	0.5	18	1.30					
MTG101BS	0.8-3.8	20	0.5	55	1.20	-40~+85	100	20	50.8*28.5*20	SMA or N
	1.0-2.7	200	0.6	45	1.20					
	1.7-2.7	500	0.8	35	1.30					
MTG101B1-100	0.8-3.8	70	0.3	25	1.20	-40~+85	150	100	25.4*38.5*20	SMA or N
	1.0-2.7	200	0.4	20	1.25					
	1.7-2.7	500	0.5	18	1.30					
	2.7-3.8	500	0.4	18	1.30					
MTG101BP-200	0.8-3.8	70	0.3	25	1.20	-40~+85	200	150~200	25.4*48.5*20	N
	1.7-2.2	Full	0.5	18	1.30					
	1.8-2.2	Full	0.4	20	1.25					
	2.3-2.7	Full	0.4	20	1.25					
	3.4-3.6	Full	0.4	20	1.25					
	3.3-3.8	Full	0.4	18	1.30					

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature.

Coaxial Isolators





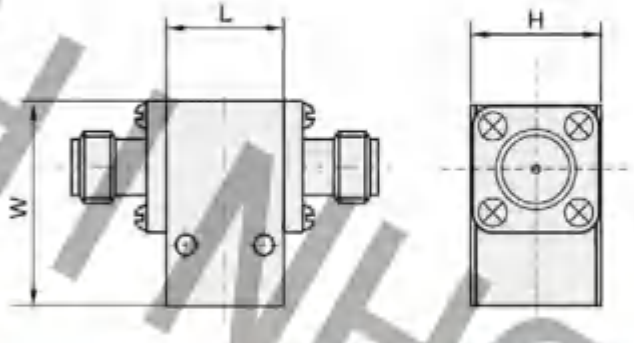
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG101BP-200	3.7-4.2	Full	0.4	18	1.30	-40~+85	200	150~200	25.4*48.5*20	N
MTG201F	1.8-3.5	200	0.3	23	1.20	-30~+70	30	20	25*25*15	SMA
	2.0-2.5	Full	0.3	20	1.25					
	2.5-3.5	Full	0.4	20	1.25					
	2.0-2.7	Full	0.3	18	1.30					
MTG201B1	1.4-1.7	200	0.3	23	1.20	-30~+70	60	20	21*21*8	SMA
	1.8-3.0	400	0.4	20	1.25					
MTG201C	0.8-1.0	30	0.3	23	1.20	-30~+70	60	20	20*25.4*15 (Drawing A03)	SMA
	1.0-1.7	70	0.3	23	1.20					
	1.7-4.2	400	0.4	20	1.25					
MTG201CS	0.8-1.0	30	0.6	45	1.20	-30~+70	60	20	40*25.4*15	SMA
	1.0-1.7	70	0.6	45	1.20					
	1.7-4.2	400	0.8	40	1.20					
MTG201M	1.7-2.7	30	0.3	25	1.20	-40~+85	60	20	19*19*10	SMA
	2.7-5.0	200	0.3	21	1.20					
		400	0.4	20	1.25					
MTG201D	1.8-3.0	200	0.2	23	1.10	-30~+70	50	20	28*30*19	SMA or N
		400	0.3	23	1.20					
		600	0.4	20	1.25					
	2.0-3.0	Full	0.3	19	1.25					
	1.8-3.0	Full	0.4	16	1.40					

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Coaxial Isolators





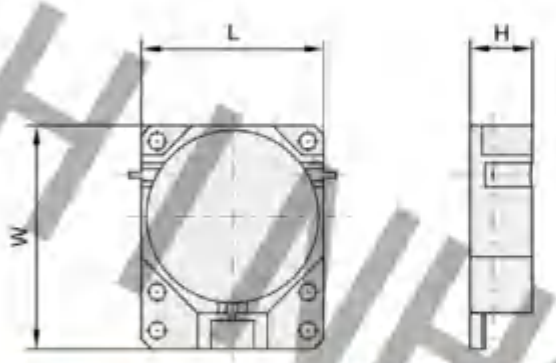
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG401	3.3-8.0	200	0.2	25	1.20	-40~+85	20	10	16*23*14	SMA
		600	0.3	23	1.20					
		1000	0.4	23	1.20					
MTG401B	3.4-8.5	300	0.3	25	1.20	-40~+85	20	10	16*26*15	SMA
		1000	0.4	23	1.20					
MTG501S	3.5-8.0	200	0.5	50	1.20	-40~+85	20	10	32*26*13	SMA
MTG801F	5.6-7.6	Full	0.4	20	1.25	-40~+85	10	5	12*20*13 (Drawing A04)	SMA
	7-10	Full	0.4	20	1.25					SMA
	17.6-21.2	Full	0.4	20	1.25					SMAor2.92
	18-22	Full	0.4	20	1.25					SMAor2.92
MTG801FS	7-18	500	0.6	50	1.20	-40~+85	10	5	24*20*13	SMA
	18-22	Full	0.8	40	1.25					
MTG801F9	22-27	1000	0.5	20	1.25	-40~+85	10	2	12*20*13	2.92
MTG801F9S	22-27	2000	0.9	40	1.25	-40~+85	10	2	24*20*13	2.92
MTG2030A	18-36	4000	0.6	18	1.30	-40~+85	10	2	12*15*12.8	2.92

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Stripline Isolators





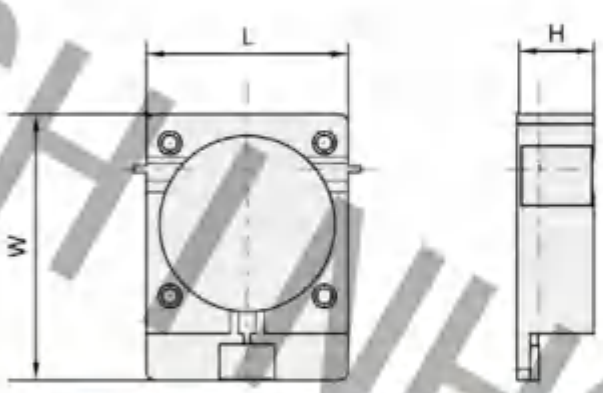
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	ReversePower (W.Max)	Size L*W*H (mm)	Connector Type
MTG0102B	0.13-0.17	4	0.4	23	1.20	-10~+60	20	51*51*15	TAB
	0.17-0.25	10	0.3	25	1.20				
MTG0102B-150	0.13-0.17	4	0.4	23	1.20	-10~+60	150	51*59*15	TAB
	0.17-0.25	10	0.3	25	1.20				
MTG0302	0.14-0.18	4	0.3	23	1.20	-10~+60	20	50*52*18	TAB
	0.18-0.3	20	0.4	20	1.25				
	0.3-0.4	6	0.25	25	1.15	-30~+70			
	0.38-0.47	Full	0.3	21	1.20				
	0.4-0.6	100	0.3	20	1.25				
MTG0302-100	0.15-0.2	4	0.4	20	1.20	-10~+60	100	50*60*19	TAB
	0.2-0.3	20	0.4	20	1.25				
	0.3-0.6	70	0.3	20	1.20	-30~+70			
MTG0402F	0.16-0.22	4	0.4	20	1.25	-10~+60	50	45*45*13	TAB
	0.22-0.35	20	0.3	23	1.20				
	0.37-0.5	Full	0.4	20	1.25	-30~+70			
	0.47-0.6	Full	0.3	21	1.20				
	0.5-0.8	100	0.3	23	1.20				
MTG0402G	0.2-0.3	6	0.4	23	1.20	-10~+60	100	44*45.5*15.6	TAB
	0.3-0.4	20	0.3	23	1.20	-30~+70			
	0.37-0.5	Full	0.4	20	1.25				
	0.47-0.6	Full	0.3	21	1.20				
	0.5-0.8	100	0.3	23	1.20				
MTG0402E-200	0.3-0.5	5	0.3	30	1.15	-10~+60	200	42*53.6*13	TAB
	0.4-0.5	20	0.3	25	1.15	-30~+70			

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Stripline Isolators





Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG0402B	0.3-0.35	10	0.4	20	1.25	-15~+60	20	35*38*13	TAB
	0.35-0.5	10	0.3	25	1.15	-30~+70			
	0.4-0.47	Full	0.4	20	1.25				
	0.4-0.6	100	0.4	19	1.25				
	0.6-1.2	100	0.3	23	1.20				
		200	0.4	19	1.25				
MTG0402B-C	0.25-0.35	4	0.3	23	1.20	-30~+70	60	35*38*13 (Drawing A05)	TAB
	0.35-0.45	10	0.3	25	1.15				
	0.4-0.6	20	0.3	25	1.20				
	0.47-0.7	Full	0.5	16	1.40				
MTG0402B1-100	0.3-0.35	10	0.5	20	1.25	-15~+60	100~150	35*46*13	TAB
	0.35-0.5	10	0.3	25	1.15	-30~+70			
	0.5-1.0	30	0.3	25	1.15				
	0.4-0.47	Full	0.35	20	1.25				
	0.4-0.6	100	0.4	19	1.25				
MTG0701B2-100	0.6-1.2	100	0.3	23	1.20	-30~+70			
		200	0.4	19	1.25				
	0.698-0.96	Full	0.6	16	1.40				
	0.728-0.96	Full	0.5	18	1.30				
	0.7-1.0	Full	0.65	15	1.45				
	0.96-1.215	Full	0.4	20	1.25				

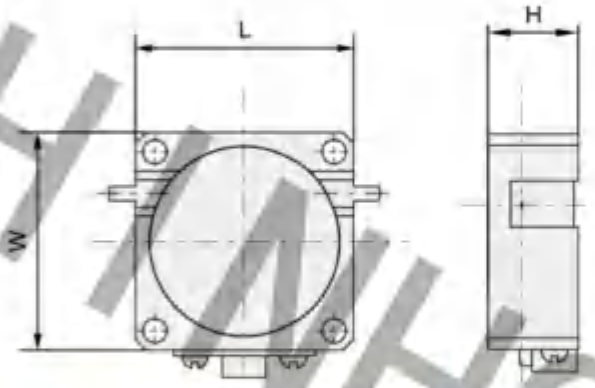
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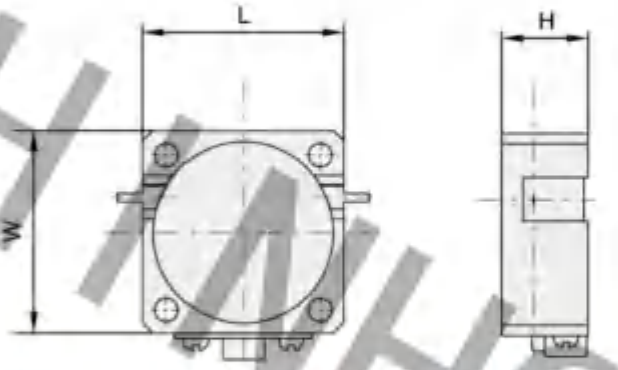
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG0402C4	0.3-0.5	6	0.25	25	1.15	-30~+70	100	35*43*13	TAB
	0.5-2.0	20	0.3	25	1.15				
MTG0902B	0.4-0.47	Full	0.6	15	1.50	-30~+70	20	20*20*8.6 (Drawing A06)	TAB
	0.4-0.5	Full	0.7	14	1.60				
	0.45-0.47	Full	0.5	20	1.25				
	0.4-0.5	Full	0.7	14	1.60				
	0.5-0.6	Full	0.6	16	1.40				
	0.7-0.86	Full	0.4	17	1.35				
	0.8-0.96	Full	0.4	18	1.30				
	0.71-0.96	Full	0.8	14	1.65				
	0.96-1.215	Full	0.5	18	1.30				
	1.1-1.3	Full	0.5	18	1.30				
	1.2-1.7	200	0.4	20	1.25				
	1.7-3.6	200	0.3	23	1.20				
MTG0902B-100	0.7-1.2	100	0.4	20	1.25	-30~+70	100	20*27.5*8.6	TAB
	1.2-1.7	100	0.3	23	1.20				
	1.7-3.6	200	0.4	20	1.25				
MTG0902BS	0.8-3.0	25	0.6	50	1.20	-30~+70	20	40*20*8.6	TAB
	0.99-1.13	Full	0.8	40	1.25				
MTG102A1	0.35-0.43	4	0.3	23	1.20	-30~+70	20	25.4*25.4*10	TAB
	0.43-0.8	20	0.3	23	1.20				
	0.8-1.0	30	0.2	25	1.15				

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Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG102A1	1.0-3.6	100	0.3	25	1.20	-40~+85	20	25.4*25.4*10	TAB
	1.7-3.6	400	0.4	20	1.25				
MTG102A1-100	0.35-0.43	4	0.3	25	1.20	-30~+70	100	25.4*31.7*10 (Drawing A07)	TAB
	0.43-0.8	20	0.3	25	1.20				
	0.8-1.0	30	0.2	25	1.15				
	1.0-3.6	100	0.3	25	1.20	-40~+85			
	1.7-3.6	400	0.4	20	1.25				
MTG102A2S	0.35-0.4	10	0.7	45	1.20	-10~+70	100	54*32*10	TAB
	0.4-0.6	10	0.6	50	1.20				
	0.6-1.0	30	0.6	50	1.15	-30~+70			
	1.0-3.6	200	0.6	40	1.25				
MTG102K6	1.614-1.618	4	0.3	25	1.20	-40~+85	20	10*10*6	TAB
	1.5-1.8	4	0.4	20	1.25				
	1.8-2.8	50	0.3	23	1.20				
MTG202B	0.8-1.3	30	0.3	23	1.20	-40~+85	20	19*19*8	TAB
	1.3-1.7	100	0.3	23	1.20				
	1.7-4.2	30	0.2	25	1.15				
		100	0.3	23	1.15				

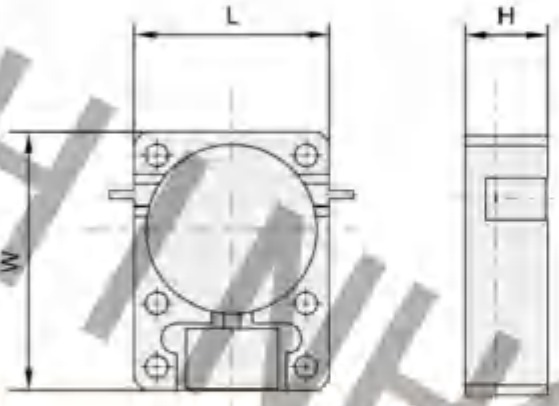
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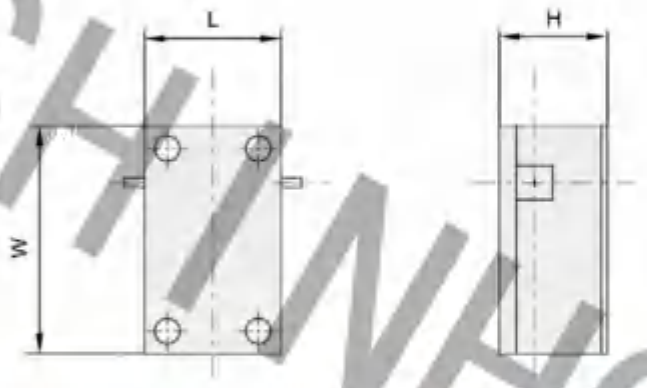
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG202B	1.8-2.2	Full	0.4	20	1.25	-40~+85	20	19*19*8	TAB
	2.3-2.7	Full	0.3	20	1.25				
	3.1-3.6	Full	0.4	20	1.25				
	3.3-3.8	Full	0.4	20	1.25				
MTG502G	3.4-4.2	Full	0.4	20	1.25	-40~+85	20	19*19*10	TAB
	4-7	500	0.4	20	1.25				
MTG102F-100	0.8-1.3	30	0.3	23	1.20	-40~+85	100	19*25.4*8	TAB
	1.3-1.7	100	0.3	23	1.20				
	1.7-4.2	30	0.2	25	1.15				
		200	0.3	23	1.20				
	1.8-2.2	Full	0.4	20	1.25				
	2.3-2.7	Full	0.3	20	1.25				
	3.1-3.6	Full	0.4	20	1.25				
	3.3-3.8	Full	0.4	20	1.25				
MTG502G-100	3.4-4.2	Full	0.4	20	1.25	-40~+85	100	19*25.4*10	TAB
	4.0-10	500	0.4	20	1.25				
MTG202D1	1.4-6.0	30	0.3	25	1.20	-40~+85	20	12.7*12.7*7.2	TAB
		70	0.4	23	1.20				
	2.5-2.7	Full	0.3	21	1.20				
	2.7-3.1	Full	0.35	21	1.20				
	3.2-3.6	Full	0.4	20	1.25				
	4.0-6.0	500	0.3	20	1.25				
MTG402M6-100	2.0-4.0	100	0.3	23	1.20	-40~+85	100	12.7*20*7	TAB
	4.0-5.0	300	0.3	20	1.25				
	5.0-6.0	600	0.4	20	1.25				
MTG202E	2.0-4.0	200	0.3	23	1.20	-30~+70	20	18*25*10	TAB
		400	0.4	20	1.25				
		400	0.4	20	1.25				
MTG202H3	2.2-5.0	100	0.3	23	1.20	-40~+85	20	11.5*13*7.2	TAB
	2.7-5.0	300	0.4	20	1.25				

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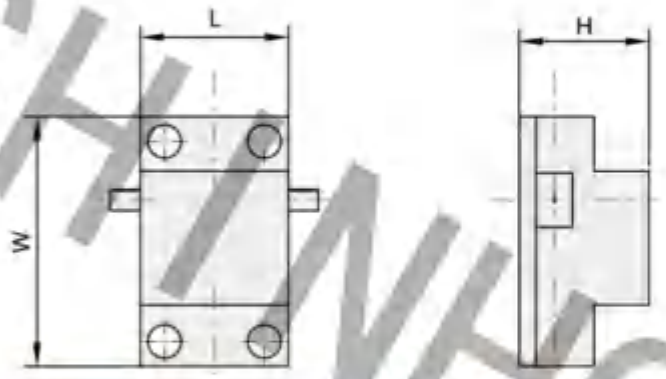
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG402	3.5-7.0	300	0.3	25	1.20	-40~+85	10	16*23*9	TAB
		800	0.4	23	1.20				
MTG402A	3.3-7.0	500	0.3	23	1.20	-40~+85	10	16*23*9.5	TAB
MTG402S	3.4-7.0	300	0.5	50	1.20	-40~+85	10	32*26*10.5	TAB
MTG402M	4.0-5.0	200	0.3	23	1.20	-40~+85	10	12.7*12.7*6.4	TAB
	5.0-10	600	0.4	20	1.25				
MTG502A	4.5-7.0	300	0.3	25	1.20	-40~+85	10	12*20*9.5	TAB
		600	0.4	23	1.20				
MTG502C1	5.0-8.0	300	0.3	25	1.20	-40~+85	10	12*20*6	TAB
		600	0.3	20	1.25				
MTG702E	7-18	300	0.3	25	1.20	-40~+85	5	12.7*12.7*6.5	TAB
		1000	0.4	23	1.20				
		2000	0.4	20	1.25				

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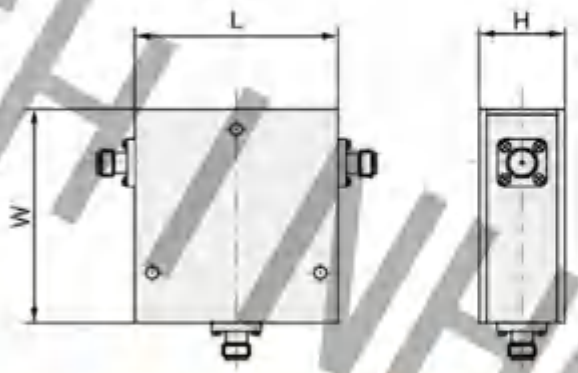
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H (mm)	Connector Type
MTG602B	5.7-9	500	0.35	21	1.20	-40~+85	20	8.9*12.06*5.6	TAB
	9-15	1000	0.4	20	1.25				
MTG802P-40	6-8	Full	0.6	18	1.30	-40~+85	40	13*18*6.4	TAB
	8-12	Full	0.5	18	1.30				
MTG802P-60	6-12	400	0.3	20	1.25	-40~+85	60	13*19.5*6.4	TAB
MTG902B	5.5-8.0	200	0.3	23	1.20	-40~+80	5	8.9*15*7.8	TAB
	8.0-20	1000	0.4	20	1.25				
MTG902E	7-10	500	0.35	21	1.20	-40~+85	5	9*9*5.5	TAB
	10-15	1000	0.4	20	1.25	-40~+85	20		
	15-18	1000	0.5	18	1.25	-40~+85	20		
MTG1302C	8-12	500	0.35	21	1.20	-40~+85	20	9*14*5.2	TAB
	10-15	1000	0.4	20	1.25				
	15-20	1000	0.5	18	1.30				
MTG902BS	7.0-15	500	0.6	50	1.20	-40~+85	5	17.8*15*7.8	TAB
	15-20	1000	0.8	45	1.25				
MTG1402	6.0-9.0	100	0.4	20	1.25	-40~+85	5	6*12.7*7.2	TAB
	9.0-18	1000	0.4	20	1.25				
MTG1402A	17-22	1000	0.5	20	1.25	-40~+85	5	6.35*12.7*4.5	TAB
	22-32	2000	0.6	18	1.30				
MTG2030A-W	26-36	2000	0.6	18	1.30	-40~+85	5	12*15*12.8	TAB

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Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0101F	0.1-0.15	5	0.3	20	1.20	-10~+70	400	80*80*31	N
	0.136-0.174	Full	0.4	19	1.26				
	0.17-0.3	10	0.3	23	1.20				
		40	0.4	20	1.25				
MTH0101F1	0.88-0.108	20	0.6	18	1.30	0~+60	60	41*65*20	SMA or N
	0.136-0.174	Full	0.5	20	1.25				
	0.3-0.8	200	0.8	18	1.30				
MTH0101-A	0.14-0.17	4	0.4	23	1.20	-10~+70	150	50.5*53*22	SMA or N
	0.15-0.18	10	0.4	20	1.25				
	0.2-0.3	20	0.4	20	1.25				
MTH0301A	0.2-0.3	10	0.3	23	1.20	-10~+70	200	52*57.5*22	SMA or N
	0.3-0.4	Full	0.35	18	1.27	-10~+70			
	0.4-0.52	Full	0.3	20	1.25	-30~+70			
	0.4-1.4	100	0.4	20	1.25	-30~+70			
MTH0301S	0.14-0.2	4	0.8	45	1.20	-10~+70	200	104*57.5*22	SMA or N
	0.2-0.25	10	0.8	50	1.20				
	0.25-0.35	20	0.6	50	1.20				
	0.35-0.9	5	0.4	70	1.15	-30~+70			
		10	0.5	65	1.20				
		20	0.6	50	1.20				
MTH0401B	0.25-0.3	4	0.4	20	1.20	-10~+70	200	35*38*20	SMA or N
	0.3-0.4	10	0.3	23	1.15	-30~+70			
	0.4-0.6	20	0.3	25	1.20				
	0.47-0.6	Full	0.4	18	1.30				

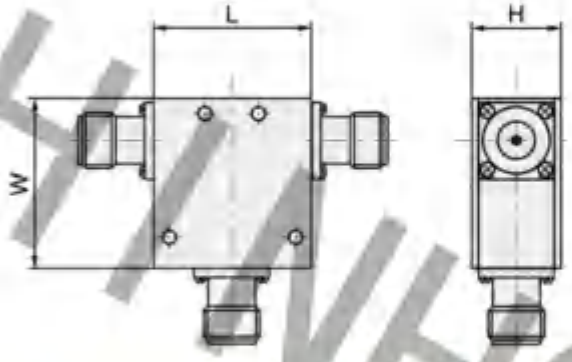
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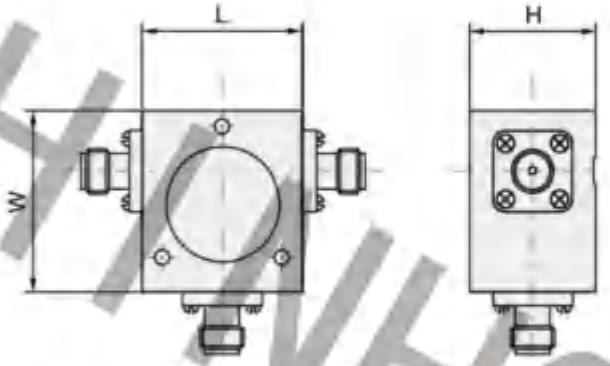
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0701B2	0.5-0.7	Full	0.5	16	1.40	-30~+70	60~200	35*38*20	SMA or N
	0.6-0.8	Full	0.4	19	1.25				
	0.698-0.96	Full	0.4	17	1.35				
	0.728-0.96	Full	0.35	19	1.25				
	0.7-1.0	Full	0.5	15	1.45				
	0.95-1.25	Full	0.4	18	1.30				
	1.0-1.5	Full	0.5	17	1.35				
	1.1-1.6	Full	0.4	19	1.25				
	1.1-1.7	Full	0.5	16	1.40				
	1.35-1.85	Full	0.5	20	1.25				
	1.4-2.0	Full	0.4	20	1.25				
MTH0701B-300	1.7-2.4	Full	0.35	20	1.25	-30~+70	300	35*38*20	N
	1.8-2.2	Full	0.4	20	1.25				
	2.3-2.7	Full	0.4	20	1.25				
MTH0401BS	0.3-0.35	10	0.6	40	1.20	-30~+70	200	70*38*20	N
	0.35-0.5	10	0.5	50	1.15				
	0.4-0.7	20	0.6	50	1.20				
	0.7-1.2	200	0.8	40	1.25				
MTH0501A	0.4-0.7	50	0.3	23	1.20	-30~+70	300	48*51*24	N
	0.6-0.8	Full	0.4	20	1.25				
	0.7-0.96	Full	0.4	18	1.30				
	0.7-1.0	Full	0.55	16	1.45				
MTH0801B2	0.6-0.8	20	0.3	23	1.15	-30~+70	100	30*33*20	SMA or N
	0.8-1.4	70	0.25	25	1.15				
		200	0.4	20	1.25				
	1.4-2.7	300	0.4	20	1.25				
MTH0801B1	0.6-0.8	70	0.3	25	1.20	-40~+85	100	30*33*15	SMA
	0.8-2.7	200	0.4	20	1.25				

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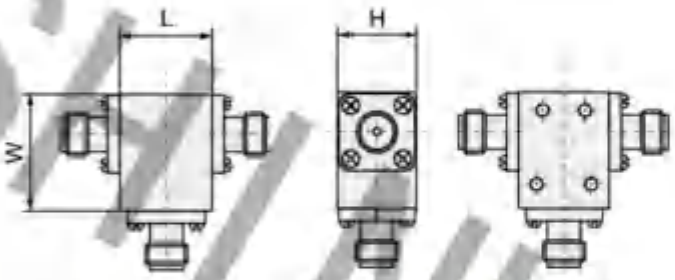
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0801S	0.8-2.7	30	0.4	50	1.15	-40~+85	200	60*33*20	SMA or N
		200	0.5	40	1.25				
MTH101G	0.4-0.6	10	0.3	23	1.20	-10~+70	100	28*26*13	SMA
	0.6-1.0	30	0.3	25	1.15	-40~+85			
	0.96-1.215	Full	0.4	20	1.25				
	1.2-1.8	200	0.3	20	1.25				
MTH101GS	0.4-0.6	10	0.6	45	1.20	-10~+70	150	53.4*26*13	SMA
	0.6-1.0	30	0.6	50	1.15	-40~+85			
	0.96-1.215	Full	0.7	40	1.25				
	1.2-1.8	200	0.6	40	1.25				
MTH101B	0.8-4.2	70	0.3	25	1.20	-40~+85	100	25.4*28.5*20 (Drawing A08)	SMA or N
	1.8-2.2	Full	0.4	20	1.25				
	2.3-2.7	Full	0.4	20	1.25				
	2.7-3.1	Full	0.4	20	1.25				
	3.1-3.6	Full	0.4	20	1.25				
	3.7-4.2	Full	0.4	20	1.25				
MTH101BS	0.8-4.2	30	0.5	50	1.15	-40~+85	100	50.8*28.5*20	SMA or N
	1.7-4.2	400	0.8	40	1.25				
MTH201B1	1.4-1.7	200	0.3	23	1.20	-40~+85	60	21*21*8	SMA

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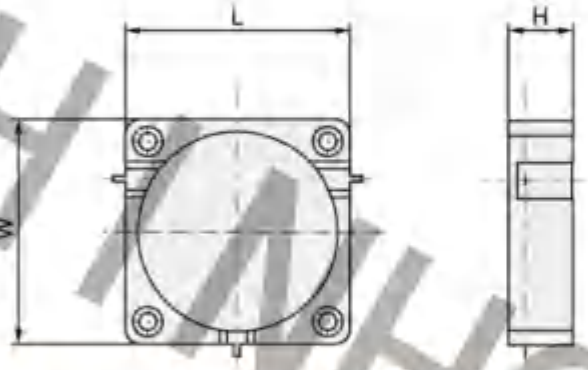


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size (L*W*H mm)	Connector Type
MTH201B1	1.8-3.0	400	0.4	20	1.25	-40~+85	60	21*21*8	SMA
MTH201C	0.8-1.0	30	0.3	23	1.20	-30~+70	60	20*25.4*15	SMA
	1.0-1.4	70	0.3	23	1.20				
	1.4-1.8	200	0.3	23	1.20				
	1.8-4.0	400	0.4	20	1.25				
MTH201D	1.8-3.0	200	0.2	23	1.10	-10~+70	30	28*30*19	SMA or N
		400	0.3	23	1.20				
		600	0.4	20	1.25				
	1.8-2.7	Full	0.4	18	1.30				
	2-3	Full	0.3	19	1.26				
MTH201F	2.0-3.5	200	0.3	23	1.20	-30~+70	20	25*25*15	SMA
		400	0.4	20	1.20				
MTH401D	3.4-10	200	0.3	23	1.20	-30~+70	20	20*24*18	SMA or N
	4-10	1000	0.4	20	1.25				
	5-10	2000	0.4	18	1.30				
MTH401	3.3-8.0	200	0.2	25	1.20	-40~+85	20	16*21*14	SMA
		600	0.3	23	1.20				
		1000	0.4	23	1.20				
MTH501S	5-8.0	200	0.5	50	1.20	-40~+85	30	32*21*14	SMA or N
MTH501BS	4-8.0	2000	0.6	40	1.25	-40~+85	30	40*26*14	SMA or N
MTH1601A	7.0-16	500	0.3	23	1.20	-40~+85	10	12*15*10	SMA
	16-22	2000	0.4	20	1.25				
MTH801F3-N	8.0-12	500	0.3	21	1.2	-40~+85	10	17*22*19	N
	12-16	500	0.4	20	1.25				
MTH801A	5.8-8.0	500	0.3	23	1.2	-40~+85	10	15*19*13 (Drawing A09)	SMA
		2000	0.4	20	1.25				
	8.0-22	2000	0.4	20	1.25				
MTH801AS	7.0-12	500	0.6	50	1.15	-40~+85	10	30*19*13	SMA
	12-20	500	0.8	40	1.25				
MTH2030A	22-36	4000	0.6	18	1.3	-40~+85	5	12*15*12.8	2.92

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

Stripline Circulators



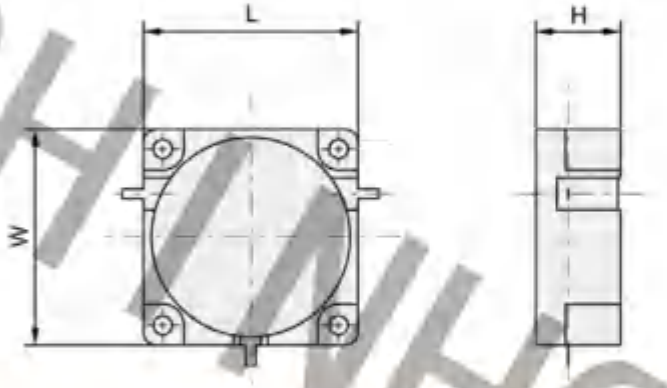


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0102B	0.13-0.17	4	0.4	23	1.20	-10~+60	200	51*51*15	TAB
	0.17-0.25	10	0.3	25	1.20				
MTH0202W	0.14-0.18	4	0.4	22	1.20	-10~+60	300	63*70*19	TAB
	0.18-0.3	10	0.3	22	1.20				
MTH0302	0.14-0.18	4	0.3	23	1.20	-10~+60	200	50*52*18	TAB
	0.18-0.3	20	0.4	20	1.25				
	0.3-0.4	6	0.25	25	1.15	-30~+70			
	0.38-0.47	Full	0.3	21	1.20				
	0.5-0.8	100	0.3	23	1.20				
	0.3-0.6	70	0.3	20	1.20	-30~+70			
MTH0402F	0.16-0.22	4	0.4	20	1.25	-10~+60	200	45*45*13	TAB
	0.22-0.35	20	0.3	22	1.20				
	0.37-0.5	Full	0.4	20	1.25	-30~+70			
	0.47-0.6	Full	0.3	20	1.20				
	0.5-0.8	100	0.3	23	1.20				
MTH0402B	0.3-0.37	5	0.3	23	1.20	-10~+60	150	35*38*13	TAB
	0.37-0.5	10	0.3	25	1.20	-30~+70			
	0.4-0.47	Full	0.35	20	1.20				
	0.4-0.6	100	0.4	19	1.25				
	0.6-0.8	Full	0.35	19	1.25				
	0.8-1.7	70	0.3	23	1.20				
	1.7-2.7	400	0.4	20	1.25				
MTH0602B	0.35-0.5	20	0.3	23	1.20	-15~+60	150	38*38*13	TAB
	0.5-0.8	100	0.3	22	1.20	-30~+70			
MTH0602C	0.6-1.0	100	0.3	23	1.20	-30~+70	100	32*32*11	TAB
MTH0602P1	1.0-3.0	200	0.3	20	1.25	-30~+70	500	31.8*31.8*10.8	TAB

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

Stripline Circulators





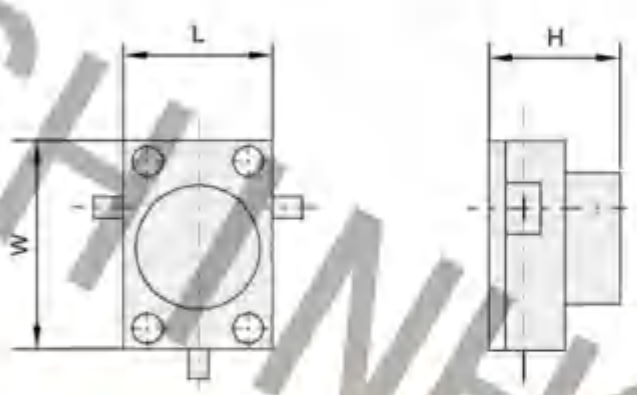
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0902B	0.4-0.47	Full	0.6	15	1.50	-10~+60	60	20*20*8.6	TAB
	0.4-0.5	Full	0.7	14	1.60				
	0.45-0.47	Full	0.5	20	1.25				
	0.4-0.5	Full	0.7	14	1.60				
	0.5-0.6	Full	0.6	16	1.40				
	0.7-0.86	Full	0.4	17	1.35	-30~+70	100	20*20*8.6	TAB
	0.8-0.96	Full	0.4	18	1.30				
	0.71-0.96	Full	0.8	14	1.65				
	0.99-1.13	Full	0.4	20	1.25				
	0.96-1.215	Full	0.5	18	1.30				
	1.1-1.3	Full	0.5	18	1.30				
	1.2-1.7	200	0.4	20	1.25				
	1.7-3.6	200	0.3	23	1.20				
MTH0902BS	0.8-3.0	25	0.6	50	1.20	-30~+70	60	40*20*8.6	TAB
	0.99-1.13	Full	0.8	40	1.25				
MTH102A1	0.25-0.35	20	0.5	18	1.30	-30~+70	200	25.4*25.4*10	TAB
	0.35-0.43	4	0.3	25	1.20				
	0.43-0.8	20	0.3	23	1.20				
	0.8-1.0	30	0.2	25	1.20	-40~+85			
	1.0-1.7	100	0.3	23	1.20				
	1.7-4.0	400	0.4	20	1.25				
MTH102K6	1.5-1.8	25	0.4	20	1.25	-40~+85	20	10*10*6	TAB
	1.8-2.8	50	0.3	23	1.20				
MTH202B	0.8-1.3	30	0.3	23	1.20	-40~+85	60	19*19*8	TAB
	1.3-1.7	100	0.3	23	1.20				

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Stripline Circulators





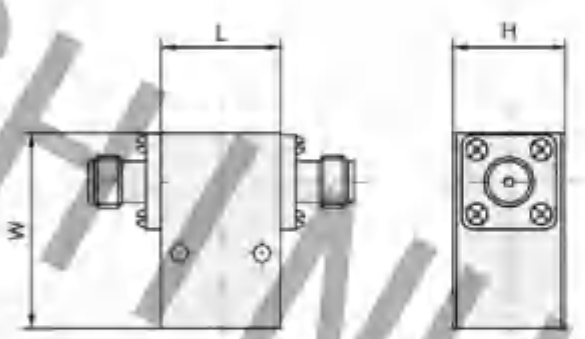
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH202B	1.3-1.7	30	0.25	23	1.15	-40~+85	60	19*19*8	TAB
	3.1-3.6	Full	0.4	20	1.25				
	3.3-3.8	Full	0.4	20	1.25				
MTH202D1	1.4-6.0	30	0.3	25	1.20	-40~+85	50	12.7*12.7*7.2	TAB
		70	0.4	23	1.20				
	2.5-2.7	Full	0.3	21	1.20				
	2.7-3.1	Full	0.3	21	1.20				
	3.2-3.6	Full	0.4	20	1.25				
	4.0-6.0	500	0.3	20	1.25				
MTH202H3	2.2-5.0	100	0.3	23	1.20	-40~+85	20	11.5*13*7.2	TAB
	2.7-5.0	300	0.4	20	1.25				
MTH402A	3.5-8.5	200	0.3	23	1.20	-40~+85	20	16*18*8.5	TAB
		500	0.4	20	1.25				
	5.0-8.5	1000	0.4	20	1.25				
MTH402C	3.3-8.5	200	0.3	23	1.20	-40~+85	30	16*22*10	TAB
	5.0-8.5	1000	0.4	20	1.20				
MTH402M	4.0-10	200	0.3	23	1.20	-40~+85	10	12.7*12.7*6.4	TAB
MTH702E	5.0-10	200	0.3	23	1.20	-40~+85	10	12.7*12.7*6.5	TAB
	6.0-15	2000	0.4	20	1.20				
	15-18	1000	0.4	20	1.25				
MTH1102B	6.0-14	200	0.3	23	1.20	-40~+85	10	8.9*12.5*7.8	TAB
	14-18	1000	0.4	20	1.25				
	18-24	2000	0.6	18	1.30				
MTH1102C	6.0-14	200	0.3	23	1.20	-40~+85	10	8.9*12.5*6.5	TAB
	14-18	1000	0.4	20	1.25				
	18-24	2000	0.6	18	1.30				
MTH902E	7.0-10	500	0.4	23	1.2	-40~+85	10	9*9*5.5	TAB
	10.0-18	500	0.4	20	1.25				
MTH1202E	12.0-18	500	0.4	23	1.2	-40~+85	10	7.6*10*5.4	TAB
	18-26	1000	0.5	18	1.3				
MTH2030A-W	26-36	2000	0.6	18	1.3	-40~+85	10	12*15*12.8	TAB

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Broadband Isolators





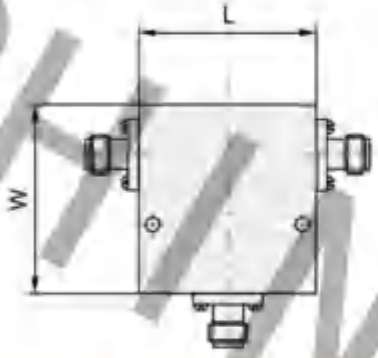
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Lost (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
MTG101F1	1-2	Full	0.7	16	1.40	0~+60	60	60	70*60*21	SMA or N
MTG201-B2	1.35-2.7	Full	0.5	18	1.30	0~+60	50	20	50.8*49.5*19	SMA or N
	1.5-2.5	Full	0.4	20	1.25					
	1.7-2.7	Full	0.4	20	1.25					
MTG201D	2-3	Full	0.4	20	1.25	-10~+60	50	20	28*30*18	SMA or N
MTG301B	2-4	Full	0.6	18	1.35	-30~+70	60	20	32*34*18	SMA or N
MTG301B3-24A	2-4	Full	0.5	18	1.30	-30~+70	60	20	30.5*30.5*17	SMA
MTG101G-24	2-4	Full	0.5	20	1.25	-30~+70	50	20	28*26*13	SMA
MTG101M-24	2-4	Full	0.5	20	1.30	-30~+70	50	20	25.4*25.4*10	TAB
MTG301B-N26-100	2-6	Full	0.7	15	1.45	-30~+70	100	100	32*34*18	N
MTG2060G	2-6	Full	0.7	16	1.40	-30~+70	50	20	30.5*30.5*15	SMA
MTG401AS-28	2-8	Full	1.5	11	1.70	0~+60	30	20	60*42*19	SMA or N
MTG501B-20DB	4-8	Full	0.4	20	1.25	-40~+70	30	10	20*32*14	SMA or N
MTG501B	5-10	Full	0.5	17	1.35	-70~+70	30	10	20*32*14	SMA
MTG601D-20DB	3-6	Full	0.4	20	1.25	-30~+70	50	20	25*25*15	SMA
MTG701B	6-12	Full	0.4	18	1.30	-30~+70	10	10	16*26*13	SMA
MTG801F	8-12	Full	0.4	20	1.25	-40~+70	10	5	12*20*13 (Drawing A04)	SMA
	7-13	Full	0.6	17	1.35					
	10-15	Full	0.4	20	1.25					
	12-18	Full	0.5	20	1.25					
	10-18	Full	0.5	18	1.30					
MTG1201	8-18	Full	0.8	17	1.40	-40~+70	10	5	15*23*13	SMA
MTG1201C	6-18	Full	1.5	11	1.75	-40~+70	10	5	19*27*13	SMA
MTG1826	18-26.5	Full	0.7	20	1.30	-40~+70	10	3	12*20*13	2.92
MTG2030A	27-31	Full	0.6	18	1.30	-40~+70	10	3	12*15*12.8	2.92F
MTG2233	22-33	Full	0.8	15	1.40	-40~+70	10	3	12*15*12.8	2.92F
MTG2640	26.5-40	Full	1.2	14	1.60	-40~+70	10	3	13*26*16.8	2.92F
MTG4045	40-45	Full	0.9	15	1.50	-40~+70	5	1	15*23*13.7	2.4F
MTG4550	45-50	Full	1.2	15	1.50	-40~+70	5	1	15*23*13.7	2.4F

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Broadband Circulators





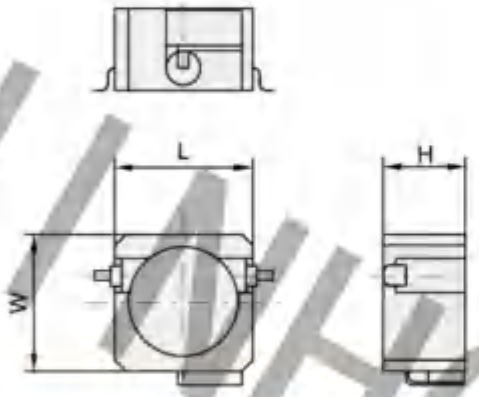


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB,Max)	Isolation (dB,Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W,Max)	Size L*W*H (mm)	Connector Type
MTH101F1	1-2	Full	0.7	15	1.40	0~+60	60	70*80*21	SMA or N
MTH201-B2	1.35-2.7	Full	0.6	17	1.35	0~+60	30	50.8*49.5*19	SMA or N
	1.5-2.5	Full	0.6	19	1.26				
	1.7-2.7	Full	0.4	19	1.26				
MTH201D	2-3	Full	0.4	19	1.26	-10~+60	30	28*30*18	SMA or N
MTH301B	2-4	Full	0.6	16	1.40	-30~+70	100	32*34*18	SMA or N
MTH301B	2-4	Full	0.6	18	1.35	-30~+70	100	32*34*18	SMA or N
MTH301B3-24A	2-4	Full	0.5	18	1.30	-30~+70	100	30.5*30.5*17	SMA
MTH101G-24	2-4	Full	0.5	20	1.25	-30~+70	20	28*26*13	SMA
MTH101M-24	2-4	Full	0.5	18	1.30	-30~+70	20	25.4*25.4*10	TAB
MTH301B-N26-100	2-6	Full	0.7	15	1.45	-30~+70	100	32*34*18	N
MTH401AS	2-6	Full	1.2	11	1.70	-30~+60	100	30.6*30.6*15	SMA
MTH2060G	2-6	Full	0.7	15	1.45	-30~+70	60	30.6*30.6*15	SMA
MTH501B-20dB	4-8	Full	0.4	20	1.25	-30~+70	20	20*26*14	SMA
MTH501B	4-8	Full	0.5	18	1.30	-30~+70	20	20*26*14 (Drawing B01)	SMA or N
	5-10	Full	0.5	17	1.35				
MTH601C	4-8	Full	0.4	18	1.30	-30~+70	20	19*19*13	SMA
MTH601D	3-6	Full	0.4	18	1.30	-30~+60	20	25*25*15	SMA
	3-7	Full	0.5	17	1.35				
MTH701B	6-12	Full	0.4	18	1.30	-40~+70	10	16*21*13	SMA
MTH801C	8-12	Full	0.5	20	1.25	-40~+70	10	15*19*13 (Drawing A09)	SMA
	10-15	Full	0.5	20	1.25				
	12-18	Full	0.5	18	1.30				
	10-18	Full	0.6	17	1.35				
MTH1201	10-18	Full	0.6	18	1.30	-40~+70	10	15*21*13	SMA
	8-18	Full	0.8	16	1.50				
MTH1201C	6-18	Full	1.5	11	1.80	-30~+70	10	19*22*13	SMA

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

Surface Mount Isolators





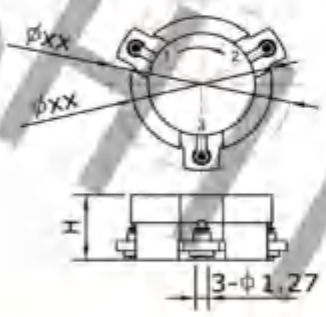
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Forward Power (W.Max)	Reverse Power (W)	Size L*W*H (mm)	Connector Type
SMT254I	0.35-0.45	5	0.4	23	1.20	-10~+70	150	10	Φ25.4*9	SMT
	0.45-0.7	20	0.3	23	1.20	-40~+85				
	0.7-2.7	100	0.4	20	1.25					
SMT204I	0.8-1.4	25	0.3	23	1.20	-40~+85	60	5	Φ20.4*8	SMT
	1.4-2.7	60	0.3	23	1.20					
	2.7-4.0	300	0.3	20	1.25					
SMT18I	1.2-4.0	5%	0.4	23	1.20	-40~+85	100	100	Φ18*24.4*8	SMT
SMT0902BI	0.8-1.0	25	0.3	23	1.20	-40~+85	60	20	20*20*8.6	SMT
	1.0-4.0	100	0.3	23	1.20					
	1.8-4.0	200	0.3	23	1.20					
SMT102K6I	1.5-2.7	2%	0.4	20	1.25	-40~+85	20	10	10*10*6	SMT
SMT202D1I	1.3-2.4	20	0.4	23	1.20	-40~+85	50	30	12.7*12.7*7.2	SMT
	2.4-3.4	200	0.3	20	1.20					
	3.4-4.2	400	0.4	20	1.25					
SMT402MI	4.2-8.5	10%	0.4	20	1.25	-40~+85	50	30	12.7*12.7*6.4	SMT
SMT502I	4.5-8.5	10%	0.4	20	1.25	-40~+85	20	20	Φ12.7*6.5	SMT
SMT10I	3.0-10	5%	0.4	20	1.25	-40~+85	20	20	Φ10*7	SMT

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Surface Mount Circulators







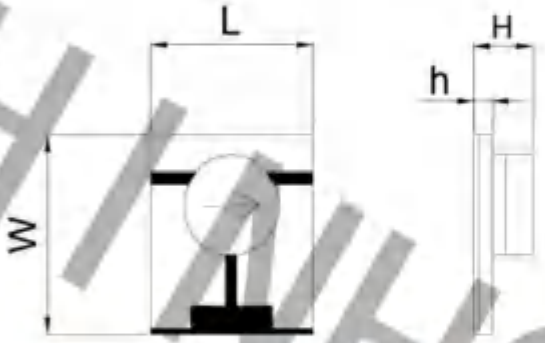
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W)	Size L*W*H (mm)	Connector Type
SMT254C	0.35-0.45	5	0.4	23	1.20	-10~+70	150	Φ25.4*9	SMT
	0.45-0.7	30	0.3	23	1.20	-40~+85			
	0.7-2.7	100	0.4	20	1.25				
SMT102A1C	0.35-0.45	5	0.4	23	1.20	-10~+70	150	25.4*25.4*10	SMT
	0.45-0.7	20	0.3	23	1.20	-40~+85			
	0.7-2.7	100	0.3	23	1.20				
SMT204C	0.8-1.4	25	0.3	23	1.20	-40~+85	60	Φ20.4*8	SMT
	1.4-2.7	60	0.3	23	1.20				
	2.7-4.0	300	0.3	20	1.25				
SMT0902BC	0.8-1.0	25	0.3	23	1.20	-40~+85	60	20*20*8.6	SMT
	1.0-4.0	100	0.3	23	1.20				
	1.8-4.0	200	0.3	23	1.20				
SMT145C	1.7-4.0	5%	0.3	23	1.20	-40~+85	50	Φ14.5*7	SMT
SMT102K6C	1.5-2.7	2%	0.4	20	1.25	-40~+85	20	10*10*6	SMT
SMT202D1C	1.3-2.4	20	0.4	23	1.20	-40~+85	30	12.7*12.7*7.2	SMT
	2.4-3.4	200	0.3	20	1.25				
	3.4-4.2	400	0.4	20	1.25				
SMT402MC	4.2-8.5	10%	0.4	20	1.25	-40~+85	30	12.7*12.7*6.4	SMT
SMT502C	4.5-8.5	15%	0.4	20	1.25	-40~+85	20	Φ12.7*6.5	SMT
SMT602C	3.0-10	5%	0.4	20	1.25	-40~+85	20	Φ10*7	SMT

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Microstrip Isolators





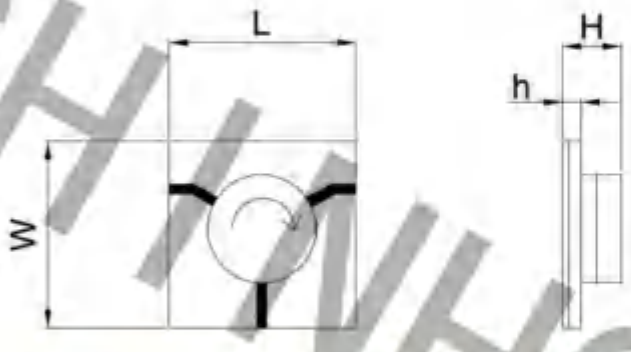
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (db.Max)	Isolation (db.Min)	VSWR (Max)	Operating Temperature (℃)	Reverse Power (W.Max)	Size L*W*H*h (mm)	Connector Type
YHI1416	3.0-4.0	500	0.5	20	1.20	-40~+70	2	14*16*5*1.5	GWB
		1000	0.6	18	1.30	-40~+70	2		
YHI1212	4.0-5.0	500	0.4	20	1.20	-40~+80	2	12*12*4*1.5	GWB
YHI1010	4.8-7.4	800	0.5	20	1.25	-40~+70	2	10*10*3.5*1.5	GWB
		1500	0.6	18	1.30	-40~+70	2		
YHI78	7.0-10.0	500	0.4	20	1.20	-55~+85	2	7*8*3*0.8	GWB
		2000	0.6	18	1.30	-55~+85	2		
YHI67A	8.0-12.0	1000	0.5	20	1.20	-55~+85	2	6*7*3*0.6	GWB
		4000	0.6	18	1.35	-55~+85	2		
YHI67B	10.0-18.0	1000	0.5	20	1.25	-55~+85	2	6*7*3*0.6	GWB
		3000	0.6	18	1.30				
YHI56	18.0-24.0	2000	0.6	18	1.30	-55~+85	1	5*6*3*0.6	GWB
		4000	0.9	16	1.40				
YHI55A	27-31	2000	0.6	18	1.30	-55~+85	1	5*5*3*0.5	GWB
		4000	0.9	18	1.40				
YHI55B	31-36	3000	0.9	20	1.40	-55~+85	1	5*5*3*0.5	GWB
		4500	1.1	18	1.40				

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

SHINHOM

Microstrip Circulators



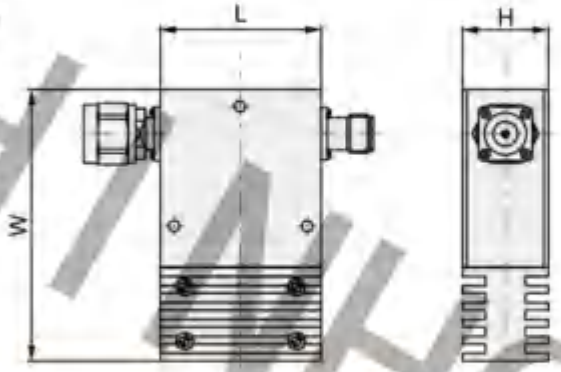


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (db.Max)	Isolation (db.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H*h (mm)	Connector Type
YHC1515	2.7-3.5	800	0.6	18	1.30	-40~+70	15	15*15*5*1.5	GWB
YHC1414	3.0-4.0	500	0.5	20	1.20	-40~+70	15	14*14*5*1.5	GWB
YHC1212	4.0-5.0	500	0.4	20	1.20	-40~+70	15	12*12*4*1.5	GWB
YHC1010	4.8-7.4	500	0.5	20	1.25	-40~+70	10	10*10*3.5*1.5	GWB
		1000	0.6	18	130				
YHC77	6.0-8.0	500	0.5	20	1.20	-40~+70	10	7*7*3*0.8	GWB
YHC66A	8.0-12.0	1000	0.5	20	1.25	-55~+85	10	6*6*3*0.7	GWB
		2000	0.6	18	1.25				
		4000	0.6	16	1.35				
YHC66A1	10.0-18	1000	0.5	20	1.25	-55~+85	10	6*6*3*0.6	GWB
		2000	0.5	18	1.30				
		3000	0.6	18	1.35				
YHC66A2	18-24	2000	0.7	18	1.35	-55~+85	5	6*6*3*0.6	GWB
		4000	0.8	16	1.40				
YHC55	27-31	2000	0.6	18	1.30	-55~+85	5	5*5*3*0.6	BWB
		4000	0.9	16	1.40				
YHC4545	31-36	3000	1.0	17	1.40	-55~+85	5	4.5*4.5*3*0.5	GWB
		4500	1.1	16	1.50				

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

High Power Isolators





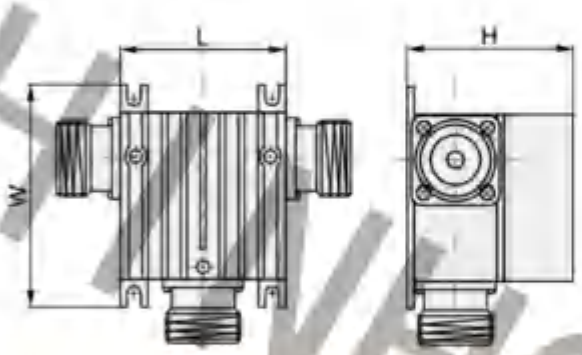
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Peak Power (W)	Size L*W*H (mm)	Connector Type
MTG0101F-P	0.15-1.0	15%	0.4	20	1.25	-20~+85	800~1200	10000	80*120*35	N or L29
MTG0601P1-X	0.3-0.6	20%	0.4	20	1.25	-30~+85	600~1000	8000	60*100*35	N or L29
	0.617-0.894	Full	0.5	17	1.35					
	0.698-0.96	Full	0.4	18	1.30					
	1.0-3.0	20%	0.4	20	1.25					
MTG201GP-X	0.3-0.4	Full	0.4	18	1.25	-10~+70	500	4000	52*88*28	N
	0.4-0.52	Full	0.4	23	1.25					
	0.6-0.8	Full	0.5	20	1.25	-20~+85				
	0.698-0.96	Full	0.5	18	1.30					
	1.0-3.0	15%	0.4	20	1.25					
MTG201FP-X	1.5-4.0	40%	0.4	21	1.20	-20~+75	350	3000	54*89*35	N
MTG301BP-X	2.0-4.0	200	0.3	23	1.20	-20~+75	250	2000	34*37.5*42.4	N
		30%	0.4	20	1.25					
MTG301BP-200	2.0-6.0	200	0.3	23	1.20	-20~+75	250	2000	34*67.8*43	N
MTG102F-P	2.0-6.0	10%	0.4	20	1.25	-30~+75	100	800	19*25.4*10	TAB
MTG401FP	4.5-9.0	10%	0.4	20	1.20	-30~+75	50	500	16*25.5*14	SMA
MTG801AP	9.0-18	10%	0.4	20	1.25	-40~+75	30	300	15*23.5*13	SMA

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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High Power Circulators



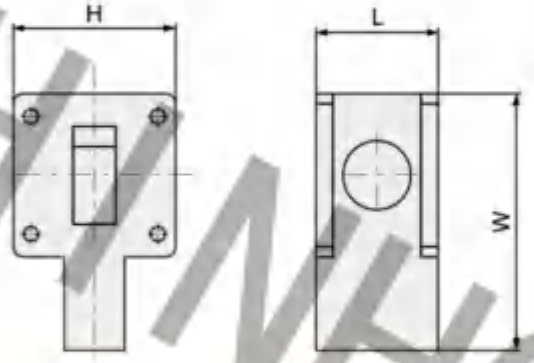


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Average Power (W.Max)	Size L*W*H (mm)	Connector Type
MTH0101KP	0.1-0.4	20%	0.35	23	1.20	-20~+85	2000	160*160*102	L27 or L29
MTH0101F-P	0.15-1.0	15%	0.4	20	1.25	-20~+85	800~1200	80*80*35	N or L29
MTH0601P1-X	0.3-0.6	20%	0.4	20	1.25	-30~+85	600~1000	60*60*35	N or L29
	0.617-0.894	Full	0.5	17	1.35				
	0.698-0.96	Full	0.4	18	1.30				
	1.0-3.0	20%	0.4	20	1.25				
MTH201GP-X	0.3-0.4	Full	0.4	18	1.25	-10~+70	500	52*57.5*28 (Drawing B02)	N
	0.4-0.52	Full	0.4	20	1.25				
	0.6-0.8	Full	0.5	20	1.25	-20~+85			
	0.698-0.96	Full	0.5	18	1.30				
	1.0-3.0	15%	0.4	20	1.25				
MTH201FP-X	1.5-4.0	40%	0.4	21	1.20	-20~+70	350	54*58.5*35	N
MTH301BP-X	2.0-6.0	200	0.3	23	1.20	-20~+70	250	34*37.5*42.4	N
		30%	0.4	20	1.25				
MTH0502D	0.2-0.8	10%	0.4	20	1.25	-30~+70	600	57*57*19	TAB
MTH0302P	0.2-0.8	10%	0.4	20	1.25	-30~+70	400	50*52*19	TAB
MTH0402BP	0.4-3.0	10%	0.4	20	1.25	-30~+70	300	35*38*13	TAB
MTH502G-P	4.0-7.0	10%	0.4	20	1.25	-40~+80	100	19*19*10	TAB
MTG401D-100	3.4-9.0	10%	0.4	20	1.25	-40~+80	100	20*24*18	SMA or N
MTH601CP	4.5-9.0	10%	0.4	20	1.25	-40~+80	60	19*19*13	TAB
MTH401FP	4.5-9.0	10%	0.4	20	1.20	-40~+80	60	16*21*14	SMA
MTH402MP	7.0-12	10%	0.4	20	1.25	-40~+80	60	12.7*12.7*6.4	TAB

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

Waveguide Isolators





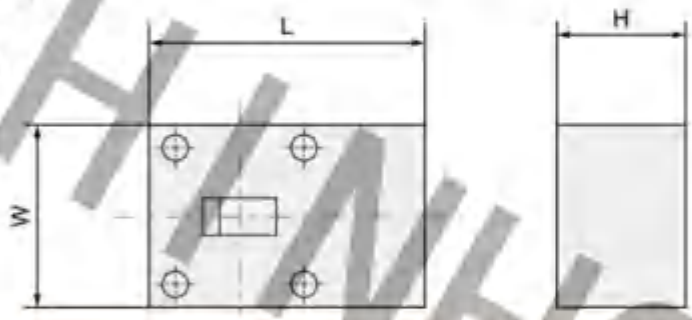
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Size L*W*H (mm)	Connector Type
MBG48	4.0-6.0	300	0.3	23	1.15	-30~+70	90*124.5*63.5	WR187 With sealing groove
MBG58	5.0-7.0	300	0.3	23	1.15	-30~+70	50*100*62	WR159
MBG70-45	5.38-8.2	500	0.3	25	1.20	-30~+70	42*95*49	WR137
		1000	0.4	20	1.25			
MBG84-62.2	7.25-8.4	Full	0.4	20	1.25	-40~+80	62.2*75.5*48	WR112
MBG84-62.2B	7.0-10.0	500	0.3	23	1.20	-40~+80	62.2*83.3*44.5	WR112
MBG84-36	7.0-10.0	1000	0.4	20	1.25	-40~+80	36*75.5*48	WR112
MBG100-12.7	8.2-12.5	300	0.3	25	1.20	-40~+80	12.7*48.5*42	WR90
MBG100-28A	8.2-12.5	1000	0.3	23	1.20	-40~+80	28*53*42	WR90 (Drawing B03)
		2000	0.4	20	1.25			
MBG120-12.7	9.9-15	300	0.3	20	1.20	-40~+80	12.7*43*38	WR75
	13.75-14.5	Full	0.3	20	1.20			

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Waveguide Isolators





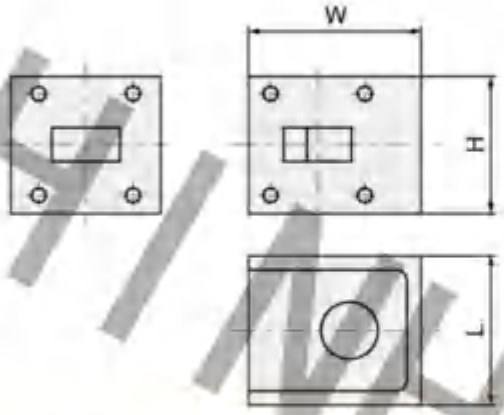
Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Size L*W*H (mm)	Connector Type
MBG120-25	9.9-15	500	0.3	25	1.20	-40~+80	25*52*38	WR75
		1000	0.3	23	1.20			
		2000	0.4	20	1.25			
MBG120-28L	10-15	500	0.25	25	1.20	-40~+80	28*52*38	WR75 With sealing groove
		1000	0.3	23	1.20			
MBG140-12.7	12-18	500	0.3	23	1.20	-40~+80	12.7*38.3*33.3	WR62
		1000	0.4	20	1.20			
MBG140-21	12-18	1000	0.3	23	1.20	-40~+80	21*52*33.3	WR62
		2000	0.4	20	1.25			
MBG180-15A	14.5-22	1000	0.3	23	1.20	-40~+80	15*40*30.2	WR51
MBG220-12.7	17.6-26.7	500	0.3	25	1.15	-40~+80	12.7*32*22.4	WR42
		1000	0.4	23	1.20			
MBG220-12.7C	17.6-26.7	1000	0.3	23	1.20	-40~+80	12.7*38.1*22.3	WR42
		2000	0.4	20	1.25			
MBG260-15	21.7-33	1000	0.3	23	1.20	-40~+80	15*32*21.1	WR34
		2000	0.4	20	1.25			
MBG260-12.7	21.7-33	1000	0.3	23	1.20	-40~+80	12.7*32*21.1	WR34
		2000	0.4	20	1.25			
MTG320-10	26.5-40	1000	0.3	23	1.20	-40~+80	10*28*19.1	WR28
		2000	0.4	20	1.25			

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Waveguide Circulators



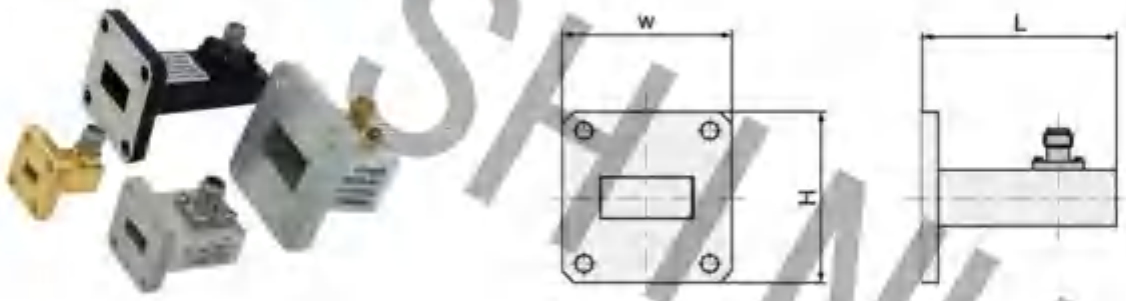


Model No.	Frequency Range (GHz)	Band Width (MHz)	Insertion Loss (dB.Max)	Isolation (dB.Min)	VSWR (Max)	Operating Temperature (℃)	Size L*W*H (mm)	Connector Type
MBH48	4.0-6.0	300	0.3	23	1.15	-30~+70	89*108*63.5	WR187 With sealing groove
MBH58	5.0-7.0	300	0.3	23	1.15	-30~+70	90*90.5*62	WR159
MBH70	5.9-8.5	300	0.3	22	1.20	-30~+70	70*70*49	WR137
MBH84-60	7.7-8.4	Full	0.4	25	1.15	-40~+80	60*65*47.8	WR112
		200	0.3	25	1.15			
MBH100-48	8-12.4	1000	0.3	23	1.15	-40~+80	48*53*42	WR90
		300	0.2	25	1.15			
MBH120-42	10-15	1000	0.3	25	1.15	-40~+80	42*48*38	WR75
		400	0.3	25	1.15			
MBH140-40	12-18	10001	0.4	23	1.20	-40~+80	40*40*33.3	WR62
MBH180-32	14.5-22	1000	0.3	23	1.20	-40~+80	32*35*30.2	WR51
		1000	0.3	25	1.20			
MBH220-24	17.6-26.7	2000	0.4	20	1.25	-40~+80	24*27*22.4	WR42
MBH260-22.3	21.7-33	1000	0.3	23	1.20	-40~+80	22.3*27*21.2	WR34
		500	0.3	25	1.15			
		1000	0.3	23	1.20			
MBH320-21	26.5-40	3000	0.5	18	1.30	-40~+80	21*24*19.1	WR28
MBH320-10	26.5-40	500	0.3	25	1.15	-40~+80	10*24.5*19.1	WR28

Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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Waveguide-Coaxial Adaptors

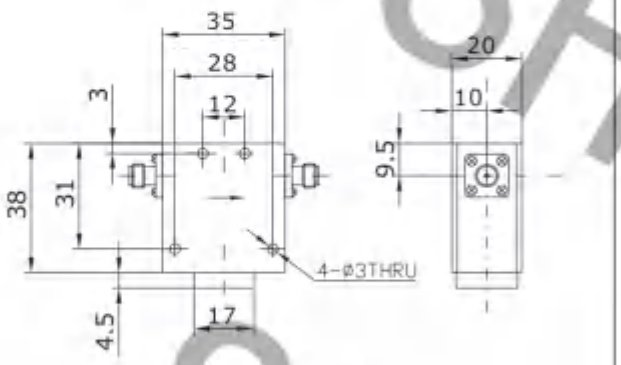


Model No.	Frequency Range (GHz)	Insertion Loss (db.Max)	VSWR (Max)	Operating Temperature (℃)	Average Power (W)	Waveguide Type	Connector Type
MBT22	1.7-2.6	0.2	1.20	-55~+85	100	WR430	SMA/N
MBT26	2.2-2.3	0.2	1.20	-55~+85	100	WR340	SMA/N
MBT32	2.6-3.95	0.15	1.25	-55~+85	100	WR284	SMA/N
MBT40	3.3-4.9	0.3	1.20	-55~+85	100	WR229	SMA/N
MBT48	3.95-5.85	0.15	1.20	-55~+85	100	WR187	SMA/N
MBT58	4.9-7.05	0.15	1.20	-55~+85	100	WR159	SMA/N
MBT70	5.85-8.2	0.15	1.25	-55~+85	50	WR137	SMA/N
MBT84	7.05-10.0	0.15	1.20	-55~+85	50	WR112	SMA/N
MBT100	8.2-12.4	0.15	1.20	-55~+85	50	WR90	SMA/N
MBT120	10.0-15.0	0.15	1.20	-55~+85	50	WR75	SMA/N
MBT140	12.4-18.0	0.2	1.20	-55~+85	50	WR62	SMA/N
MBT180	15.0-22.0	0.2	1.20	-55~+85	50	WR51	SMA
MBT220	18.0-26.5	0.2	1.25	-55~+85	50	WR42	2.92mm
MBT260	22.0-33.0	0.2	1.20	-55~+85	50	WR34	2.92mm
MBT320	26.5-40.0	0.2	1.25	-55~+85	50	WR28	2.92mm
MBT400	33.0-50.0	0.2	1.25	-55~+85	50	WR22	2.4mm

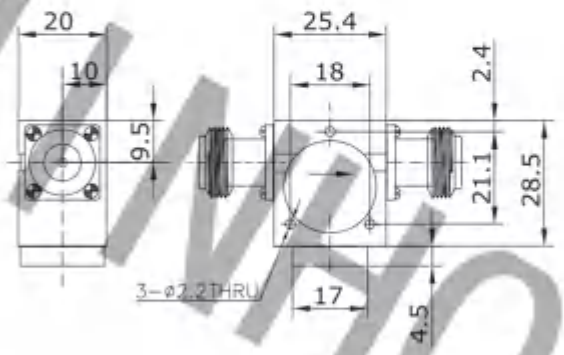
Note:All of the above are electrical performance specifications within the bandwidth at normal temperature

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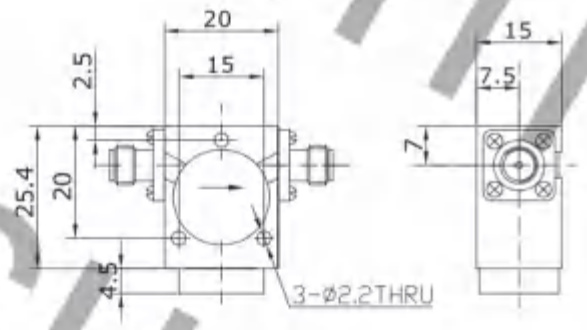
Package Drawing A01



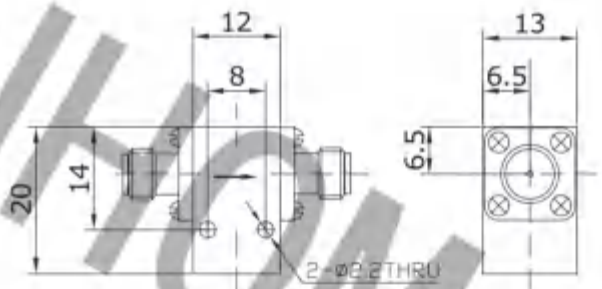
Package Drawing A02



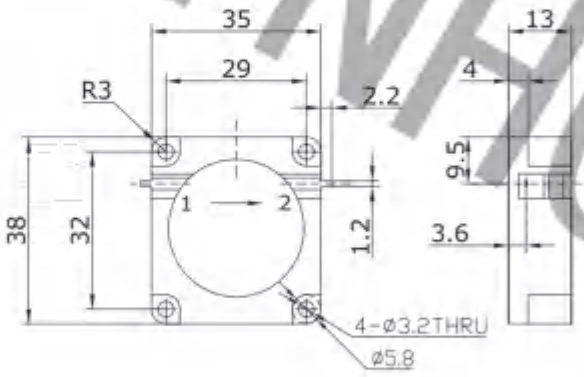
Package Drawing A03



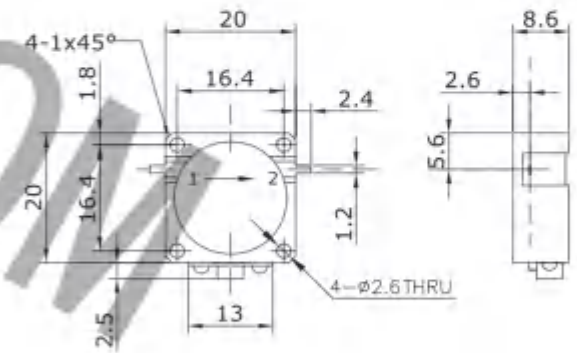
Package Drawing A04



Package Drawing A05

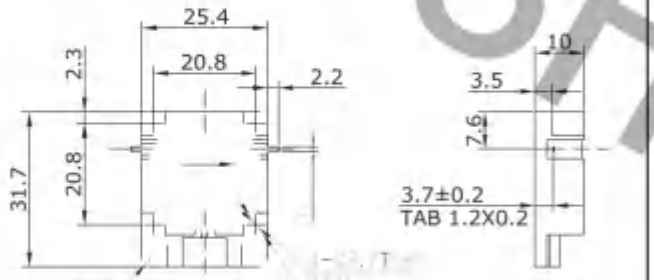


Package Drawing A06

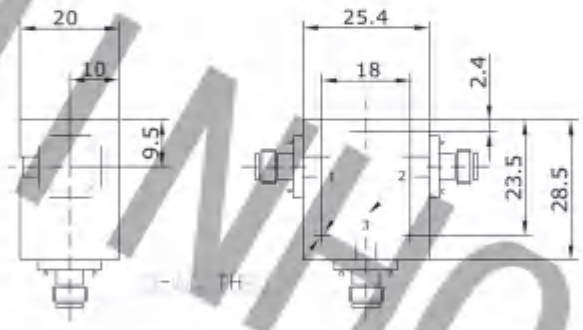


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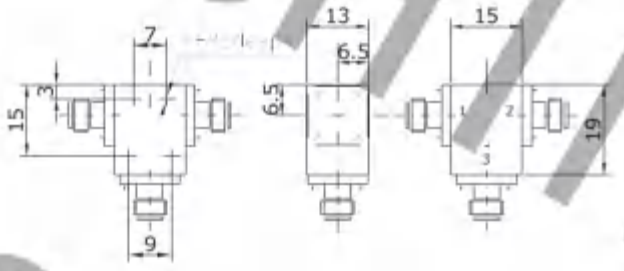
Package Drawing A07



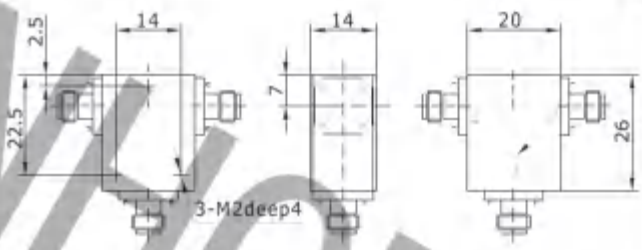
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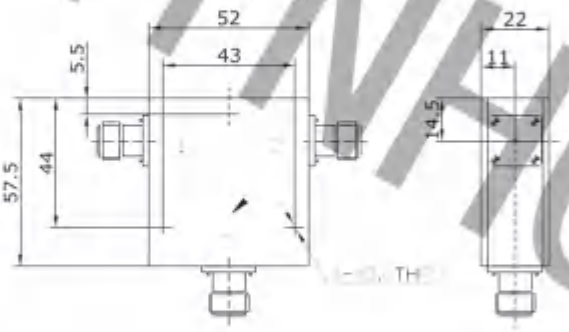
Package Drawing A09



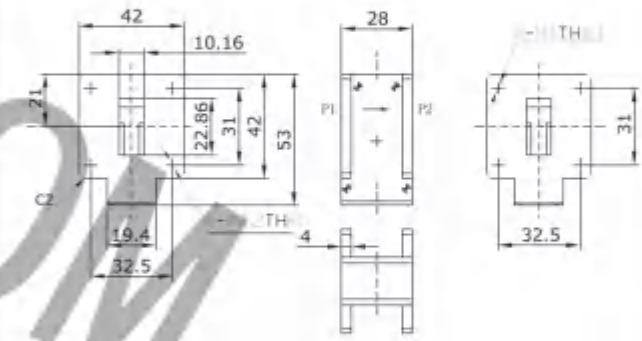
Package Drawing B01



Package Drawing B02



Package Drawing B03



SHINHOM