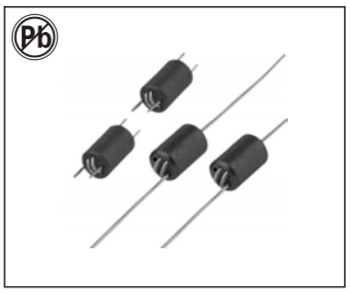
THROUGH–HOLE AXIAL WIDE BAND CHOKES

R6H SERIES (01,02,03,04,05,06,07)



FEATURES:

- Regged construction
- Counter measures for FCC,VDE
- CSA,CE,VCC1
- EMI/RFI suppression
- High reliability
- Long term stability

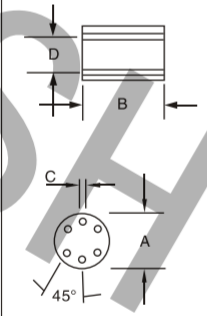
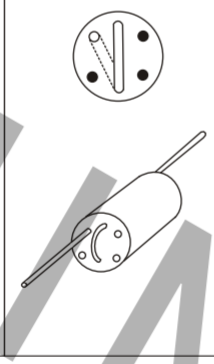
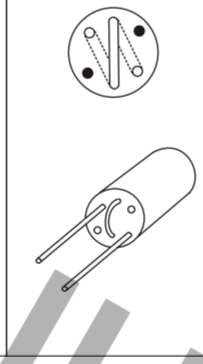
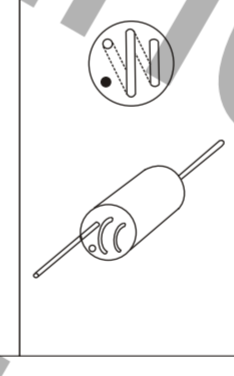
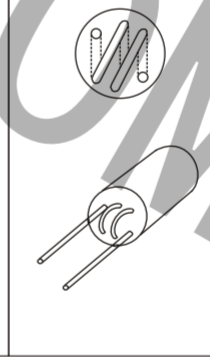
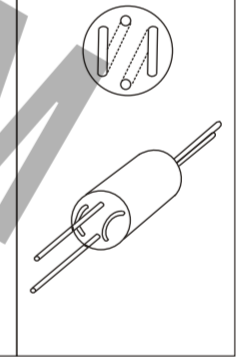
COMMON APPLICATIONS:

- Telecommunication Equipment
- Wireless Communications Equipment
- Computer Products
- General E;ectronic Applications where EMI/RFI suppression is required

ELECTRICAL CHARACTERISTICS:

Part Number	Number of Turns	Impedance @25MHz	Impedance @100MHz
R6H–01	1.5	300	500
R6H–02	2.0	400	600
R6H–03	2.5	600	800
R6H–04	2.5	500	600
R6H–05	3.0	800	900
R6H–06	3.0	700	600
R6H–07	1.5 × 2	300	500

TECHNICAL INFORMATION: PHYSICAL CHARACTERISTICS:

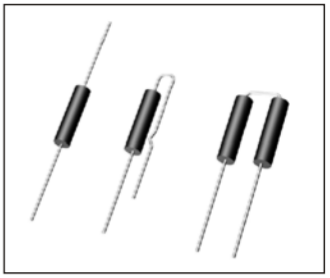
CORE	1.5Ts	2Ts	2.5Ts	3Ts	2 × 1.5Ts
					

Ferrite core TYPE	A	B	C	D
R6H 6 × 10	6.0 ± 0.25	10.0 ± 0.30	0.75 ± 0.15	3.5 ref

- Testing:(Equivalent acceptable)
  HP4191A Impedance Analyzer

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086–29–87851838 Fax:0086–29–87851840

BEAD CORES,RADIAL TAPPING & BULK TYPE(RH)



Ordering code

RH – 35 30 (Fig 1)

- 30 (Fig 1): B Size
- 35: A Size
- RH: Type code

CONFIGURATIONS(mm)

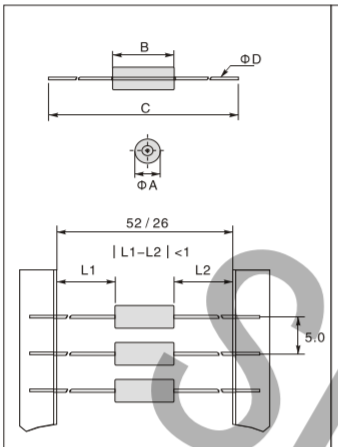


Fig1

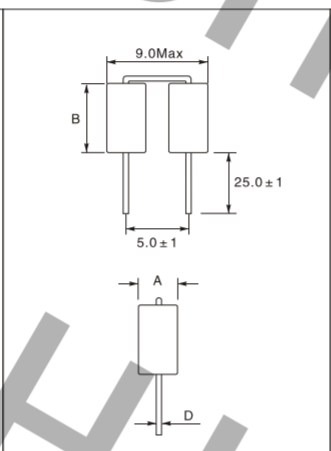


Fig2

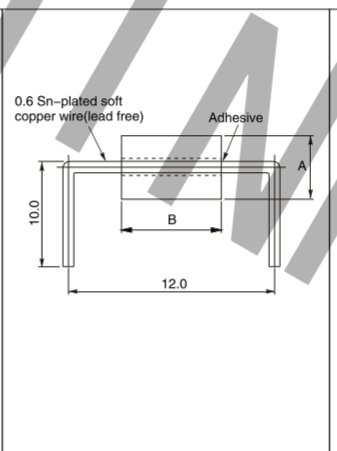


Fig3

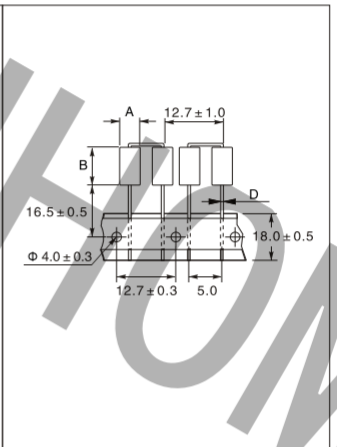


Fig4

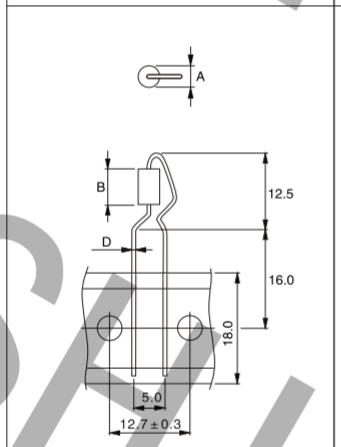


Fig5

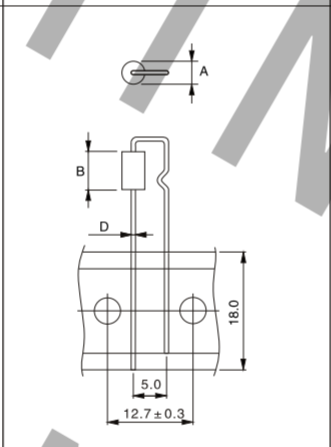


Fig6

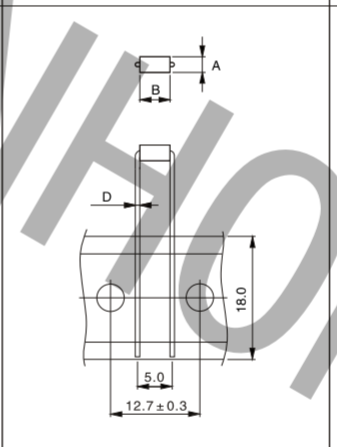


Fig7

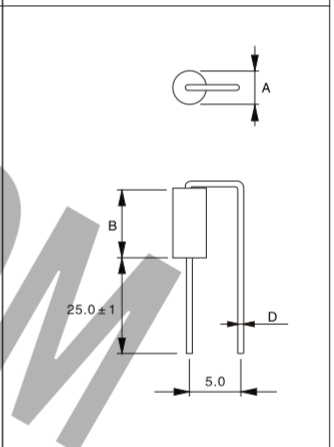


Fig8

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part Number	A	B	C	D	Impedance @25MHz (Ω)Min	Impedance @100MHz (Ω)Min
RH–3530	3.5 ± 0.2	3.0 ± 0.3	62 ± 2.0	0.6	25	40
RH–3545	3.5 ± 0.2	4.5 ± 0.3	62 ± 2.0	0.6	30	60
RH–3547	3.5 ± 0.2	4.7 ± 0.3	62 ± 2.0	0.6	35	60
RH–3560	3.5 ± 0.2	6.0 ± 0.3	62 ± 2.0	0.6	50	75
RH–3575	3.5 ± 0.2	7.5 ± 0.3	62 ± 2.0	0.6	60	90
RH–3580	3.5 ± 0.2	8.0 ± 0.3	62 ± 2.0	0.6	60	100
RH–3590	3.5 ± 0.2	9.0 ± 0.3	62 ± 2.0	0.6	80	120
RH–3512	3.5 ± 0.2	12 ± 0.3	62 ± 2.0	0.6	30	130
RH–3514	3.5 ± 0.2	14 ± 0.3	62 ± 2.0	0.6	50	150

Remarks:Other sizes are available upon request if your needs not listed in the catalog

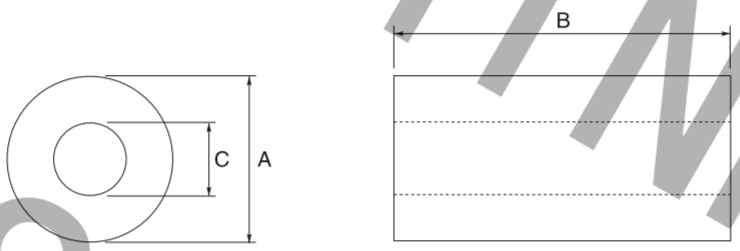
BEAD CORE(RH)

Ordering code

FP 63.5 X 6.35 X 28.5

- C Size
- B Size
- A Size
- Type code

CONFIGURATIONS(mm)



DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
RH1.6X5X0.8	1.6±0.15	5.0±0.3	0.8±0.1	/	33
RH2.45X2.5X1.3	2.45±0.15	2.5±0.2	1.3±0.1	/	/
RH2.5X3X0.8	2.5±0.15	3.0±0.2	0.8±0.15	20	30
RH2.5X3X1	2.5±0.15	2.5±0.15	1.0±0.15	10	30
RH2.85X3.75X1.65	2.85±0.15	3.75±0.2	1.65±0.15	18	50
RH3X3X0.8	3.0±0.15	3.0±0.2	0.8±0.15	/	/
RH3X3X1	3.0±0.15	3.0±0.2	1.0±0.15	/	/
RH3X3.5X1.2	3.0±0.3	3.5±0.3	1.2±0.2	15	45
RH3.5X14X0.8	3.5±0.15	14.0±0.4	0.8±0.1	/	185
RH3.5X6X0.9	3.5±0.15	6.0±0.3	0.9±0.1	40	70
RH3.5X14X1	3.5±0.15	14.0±0.4	1.0±0.1	/	180
RH3.5X3X1.3	3.5±0.15	3.0±0.2	1.3±0.1	10	20
RH3.5X5X1.5	3.5±0.15	5.0±0.3	1.5±0.15	20	45
RH3.5X12X1.5	3.5±0.2	12.0±0.4	1.5±0.1	45	75
RH3.5X5.9X1.8	3.5±0.15	5.9±0.3	1.8±0.15	/	/
RH3.5X4X2	3.5±0.2	4.0±0.3	2.0±0.2	10	25
RH3.5X6X2	3.5±0.2	6.0±0.3	2.0±0.2	15	30
RH3.8X8.3X0.8	3.8±0.15	8.3±0.3	0.8±0.1	/	100
RH3.9X5X1.3	3.9±0.15	5.0±0.3	1.3±0.1	/	/
RH4X15X0.8	4.0±0.15	15.0±0.4	0.8±0.1	/	/
RH4X5X1.5	4.0±0.2	5.0±0.3	1.5±0.15	20	35
RH4X15X2	4.0±0.2	15.0±0.4	2.0±0.15	50	80
RH4X25X2	4.0±0.2	25.0±0.3	2.0±0.15	90	120
RH4X6X2.2	4.0±0.2	6.0±0.3	2.2±0.15	20	40
RH4X25X2.2	4.0±0.2	25.0±0.6	2.2±0.15	90	120

BEAD CORE(RH)

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
RH4.1X6X0.8	4.1±0.2	6.0±0.3	0.8±0.1	90	/
RH4.1X6X2	4.1±0.2	6.0±0.3	2.0±0.15	20	30
RH4.2X15X2	4.2±0.2	15.0±0.4	2.0±0.15	45	90
RH4.5X3.5X1.5	4.5±0.2	3.5±0.25	1.5±0.15	15	30
RH4.5X7X1.5	4.5±0.2	7.0±0.3	1.5±0.1	40	80
RH4.5X7X2.5	4.5±0.2	7.0±0.3	2.5±0.15	35	65
RH4.5X6X3	4.5±0.2	6.0±0.3	3.0±0.2	/	/
RH4.7X25X2.75	4.7±0.2	25.0±0.6	2.75±0.15	/	/
RH4.8X3.8X2.5	4.8±0.4	3.8±0.3	2.5±0.2	15	50
RH4.9X36X2	4.9±0.2	36±0.8	2.0±0.15	140	200
RH5X10X1	5.0±0.2	10.0±0.4	1.0±0.15	35	55
RH5X18X2.15	5.0±0.2	18.0±0.5	2.15±0.15	80	120
RH5.08X10X2.29	5.08±0.2	10.0±0.4	2.29±0.15	40	65
RH6X25X2	6.0±0.2	25.0±0.6	2.0±0.15	135	200
RH6X30X2.2	6.0±0.2	30.0±0.3	2.2±0.15	/	/
RH6X10X3.2	6.0±0.2	10.0±0.4	3.2±0.2	/	50
RH6X15X3	6.0±0.2	15.0±0.4	3.0±0.2	/	/
RH6.35X25.4X2.95	6.35±0.2	25.4±0.6	2.95±0.15	108	200
RH6.35X12.7X3.2	6.35±0.2	12.7±0.4	3.2±0.2	55	102
RH6.4X10X3.2	6.4±0.2	10.0±0.4	3.2±0.2	/	50
RH6.5X10X4	6.5±0.2	10.0±0.4	4.0±0.2	20	40
RH6.5X10X4.3	6.5±0.25	10.0±0.4	4.3±0.2	20	45
RH6.5X10X4.5	6.5±0.2	10.0±0.4	4.5±0.2	15	35
RH6.75X14.22X4	6.75±0.2	14.22±0.4	4.0±0.2	/	/
RH7.52X7.54X2.39	7.52±0.2	7.54±0.3	2.39±0.1	30	60
RH7.65X4.78X3.18	7.65±0.3	4.78±0.2	3.18±0.2	20	45
RH7.8X13X4	7.8±0.2	13.0±0.4	4.0±0.2	45	80
RH7.8X12.5X5	7.8±0.2	12.5±0.4	5.0±0.25	30	60
RH8X25X3.6	8.0±0.3	25.0±0.6	3.6±0.2	65	115
RH8X15X5.3	8.0±0.2	15.0±0.4	5.3±0.25	40	80
RH8X5X6	8.0±0.3	5.0±0.2	6.0±0.2	10	45
RH8.3X9.75X3.6	8.3±0.2	9.75±0.3	3.6±0.2	/	/
RH8.7X15.7X6.3	8.7±0.2	15.7±0.4	6.3±0.3	/	80
RH9X16X5	9.0±0.3	16.0±0.4	5.0±0.25	50	80
RH9.05X16X5	9.05±0.3	16.0±0.4	4.7±0.2	60	110
RH9.3X4.5X9.5	9.3±0.3	9.5±0.3	4.5±0.2	/	/
RH9.3X15.7X6.35	9.3±0.3	15.7±0.4	6.35±0.2	/	/
RH9.5X10.2X3.05	9.5±0.5	10.2±0.4	3.05±0.2	50	90
RH9.5X25X4.7	9.5±0.4	25.0±0.6	4.7±0.2	73	135
RH9.5X19.5X5.5	9.5±0.2	19.5±0.6	5.5±0.3	50	100
RH9.5X19.05X4.75	9.5±0.3	19.05±0.4	4.75±0.2	60	100

BEAD CORE(RH)

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
RH9.5X25.4X4.75	9.5±0.3	25.4±0.6	4.75±0.2	75	135
RH9.5X14.5X4.8	9.5±0.3	14.5±0.4	4.8±0.2	53	75
RH9.5X14.5X5	9.5±0.3	14.5±0.4	5.0±0.25	50	100
RH9.5X9.5X5.2	9.5±0.3	9.5±0.4	5.2±0.25	35	65
RH9.65X10.4X5.02	9.65±0.3	10.4±0.4	5.02±0.25	30	60
RH9.7X10.2X3.8	9.7±0.3	10.2±0.4	3.8±0.2	60	100
RH9.8X11.5X1	9.8±0.3	11.5±0.3	1.0±0.15	120	200
RH9.8X15.7X6.3	9.8±0.3	15.7±0.4	6.3±0.3	45	65
RH9.8X13.5X6.35	9.8±0.3	13.5±0.4	6.35±0.2	30	60
RH10X20X5	10.0±0.3	20.0±0.5	5.0±0.2	70	120
RH10X20X6.35	10.0±0.3	20.0±0.5	6.35±0.2	40	70
RH10X25X5	10.0±0.3	25.0±0.6	5.0±0.25	125	160
RH10X25X5.5	10.0±0.3	25.0±0.6	5.5±0.25	90	160
RH10X14X6	10.0±0.3	14.0±0.4	6.0±0.3	35	75
RH10X6.2X6.15	10.0±0.3	6.2±0.3	6.15±0.3	45	85
RH10X20X6.5	10.0±0.4	20.0±0.6	6.5±0.25	40	90
RH10X10X7	10.0±0.3	10.0±0.4	7.0±0.3	20	40
RH10X7.5X7.3	10.0±0.3	7.5±0.2	7.3±0.2	13	28
RH10.2X20X5.5	10.2±0.4	20.0±0.5	5.5±0.25	65	120
RH10.5X20X6	10.5±0.4	20.0±0.6	6.0±0.3	50	90
RH10.5X20X6.5	10.5±0.3	20.0±0.5	6.5±0.3	40	80
RH11X25X5	11.0±0.3	25.0±0.6	5.0±0.25	115	180
RH11.3X12X5.95	11.3±0.3	12.0±0.4	5.95±0.25	40	70
RH11.5X20X4.9	11.5±0.5	20.0±0.6	4.9±0.25	100	200
RH11.5X25X4.9	11.5±0.3	25.0±0.6	4.9±0.25	85	120
RH11.8X15X5	11.8±0.3	15.0±0.4	5.0±0.3	40	80
RH11.8X15X7.3	11.8±0.3	15.0±0.4	7.3±0.3	40	75
RH11.86X15X7.4	11.86±0.3	15.0±0.4	7.4±0.3	35	75
RH12X19.2X3.7	12.0±0.3	19.2±0.6	3.7±0.2	60	120
RH12X23.5X3.7	12.0±0.3	23.5±0.6	3.7±0.2	95	160
RH12X23X4	12.0±0.3	23.0±0.5	4.0±0.2	160	230
RH12X25X4.5	12.0±0.3	25.0±0.4	4.5±0.2	125	204
RH12X20X5.6	12.0±0.3	20.0±0.5	5.6±0.25	100	200
RH12X25X5.6	12.0±0.4	25.0±0.6	5.6±0.3	80	120
RH12X20X6	12.0±0.3	20.0±0.5	6.0±0.3	60	110
RH12X13X8	12.0±0.3	13.0±0.4	8.0±0.3	35	75
RH12X22.8X8	12.0±0.3	22.8±0.6	8.0±0.25	40	80
RH12X15X8.5	12.0±0.3	15.0±0.4	8.5±0.3	30	50
RH12X20X8.5	12.0±0.3	20.0±0.4	8.5±0.2	30	60
RH12.3X12.7X5	12.3±0.3	12.7±0.4	5.0±0.25	60	120
RH12.7X12.7X7.9	12.7±0.3	12.7±0.4	7.9±0.3	30	60

BEAD CORE(RH)

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
RH13X18X5	13.0±0.3	18.0±0.5	5.0±0.25	50	100
RH13X20X5	13.0±0.3	20.0±0.5	5.0±0.25	90	140
RH13X15X7	13.0±0.3	15.0±0.4	7.0±0.3	75	140
RH13X12.7X7.3	13.0±0.4	12.7±0.4	7.3±0.2	30	60
RH13X25X8.5	13.0±0.3	25.0±0.6	8.5±0.2	40	80
RH14X15X6.8	14.0±0.4	15.0±0.4	6.8±0.3	65	120
RH14X15X7.8	14.0±0.4	15.0±0.4	7.8±0.3	35	70
RH14.2X20X4.5	14.2±0.4	20.0±0.5	4.5±0.3	100	170
RH14.2X28.5X4.5	14.2±0.4	28.5±0.8	4.5±0.3	120	280
RH14.2X28.5X6.35	14.2±0.4	28.5±0.6	6.35±0.6	100	190
RH14.2X36X6.35	14.2±0.4	36.0±0.8	6.35±0.6	150	280
RH14.2X15X6.5	14.2±0.4	15.0±0.4	6.5±0.3	50	90
RH14.2X28.5X7.2	14.2±0.4	28.5±0.6	7.2±0.3	130	210
RH14.2X28.5X7	14.2±0.4	28.5±0.6	7.0±0.3	100	120
RH14.2X12.7X7.2	14.2±0.3	12.7±0.7	7.2±0.3	40	60
RH14.2X23.5X8	14.2±0.4	23.5±0.5	8.0±0.3	56	135
RH14.2X28.5X8	14.2±0.4	28.5±0.6	8.0±0.3	60	150
RH14.2X28.5X9.15	14.2±0.4	28.5±0.6	9.15±0.5	100	170
RH14.2X15X9	14.2±0.4	15.0±0.4	9.0±0.3	50	100
RH14.3X23.3X6.35	14.3±0.4	23.3±0.5	6.35±0.3	100	180
RH14.3X28.5X9.15	14.3±0.4	28.5±0.6	9.15±0.3	75	120
RH14.3X28.5X9	14.3±0.4	28.5±0.6	9.0±0.3	75	120
RH15.7X28.5X10.5	15.7±0.4	28.5±0.6	10.5±0.3	60	100
RH15.7X28.5X7.5	15.7±0.4	28.5±0.6	7.5±0.3	90	180
RH15.7X35X7.3	15.7±0.5	35.0±0.8	7.3±0.4	120	230
RH15.88X28.5X8	15.88±0.5	28.5±0.6	8.0±0.4	100	160
RH16X16X8	16.0±0.4	16.0±0.4	8.0±0.3	55	110
RH16X17X9	16.0±0.4	17.0±0.4	9.0±0.3	50	80
RH16X28X9	16.0±0.4	28.0±0.6	9.0±0.3	80	150
RH16X28X10.5	16.0±0.4	28.0±0.6	10.5±0.3	/	100
RH17.07X25.4X8.76	17.04±0.4	25.4±0.6	8.76±0.3	90	130
RH17.2X28.5X7	17.2±0.4	28.5±0.6	7.0±0.3	140	230
RH17.2X28X7.1	17.2±0.4	28.0±0.8	7.1±0.3	120	180
RH17.5X25.4X7	17.5±0.4	25.4±0.6	7.0±0.3	110	200
RH17.5X12.7X9.5	17.5±0.5	12.7±0.4	9.5±0.3	50	150
RH17.5X28.5X9.5	17.5±0.4	28.5±0.5	9.5±0.3	85	145
RH17.5X35X9.5	17.2±0.4	35.0±0.8	9.5±0.3	120	200
RH17.5X24X10.5	17.2±0.4	24.0±0.6	10.5±0.4	85	130
RH17.5X28.5X10.5	17.5±0.4	28.5±0.6	10.5±0.4	60	120
RH17.5X28.5X10	17.5±0.4	28.5±0.6	10.0±0.4	100	240
RH17.5X28.5X11	17.5±0.4	28.5±0.6	11.0±0.4	80	130

BEAD CORE(RH)

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
RH17.5X28.5X11.5	17.5±0.5	28.5±0.8	11.5±0.4	60	110
RH17.5X28.5X12.8	17.5±0.5	28.5±0.8	12.8±0.4	40	80
RH18X18X10.5	18.0±0.5	18.0±0.5	10.5±0.3	45	90
RH18.2X28.2X9.7	18.2±0.5	28.2±0.6	9.7±0.3	104	192
RH18.4X12X9.6	18.4±0.4	12.0±0.4	9.6±0.3	40	60
RH18.5X28.5X12.6	18.5±0.5	28.5±0.6	12.6±0.5	50	80
RH18.7X28.2X10.2	18.7±0.5	28.2±0.6	10.2±0.4	70	130
RH19X28X6	19.0±0.4	28.0±0.8	6.0±0.3	90	160
RH19X10X10	19.0±0.4	10.0±0.3	10.0±0.3	39	73
RH19X29X13	19.0±0.5	29.0±0.6	13.0±0.4	60	110
RH19.2X28.6X11.6	19.2±0.5	28.6±0.6	11.6±0.4	76	118
RH20X28X10	20.0±0.5	28.0±0.8	10.0±0.3	95	150
RH20.7X28.5X12	20.7±0.6	28.5±0.6	12.0±0.4	85	160
RH20X20X6	20.0±0.5	20.0±0.6	6.0±0.3	130	160
RH21X30X10	21.0±0.5	30.0±0.8	10.0±0.4	100	150
RH22X28X14	22.0±0.6	28.0±0.8	14.0±0.5	60	120
RH25.9X29X12.3	25.9±0.6	29.0±0.6	12.3±0.4	90	180
RH25.9X29X12.7	25.9±0.6	29.0±0.6	12.7±0.3	120	240
RH26X28.5X13	26.0±0.6	28.5±0.6	13.0±0.4	116	180
RH26X28.5X14	26.0±0.6	28.5±0.6	14.0±0.4	90	180
RH26X28.5X12.7	26.0±0.6	28.5±0.6	12.7±0.3	115	170
RH28X28X14	28.0±0.6	28.0±0.6	14.0±0.4	110	180
RH28X28.5X16	28.0±0.6	28.5±0.6	16.0±0.4	110	220
RH28X28.5X18	28.0±0.6	28.5±0.6	18.0±0.4	75	140
RH29X30X10	29.0±0.5	30.0±0.3	10.0±0.3	95	150

Remarks:Other sizes are available upon request if your needs not listed in the catalog

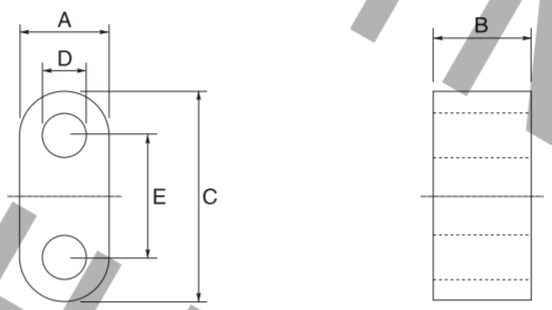
DOUBLE APERTURES CORES(RID)

Ordering code

RID 2.4 X 4.8 X 3

- C Size
- B Size
- A Size
- Type code

CONFIGURATIONS(mm)

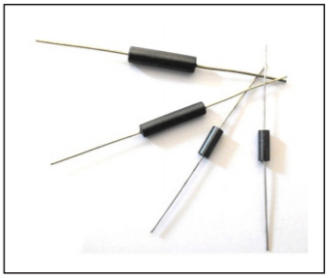


DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	D	E
RID2.01X3.45X3	2.01±0.15	3.45±0.2	3.0±0.2	1.0±0.15	1.0±0.15
RID2.4X4.8X3	2.4±0.15	4.8±0.2	3.0±0.2	1.2±0.15	1.0±0.15
RID2.5X6X5	2.5±0.2	6.0±0.3	5.0±0.3	1.25±0.15	2.5±0.2
RID3X2X2	3.0±0.2	2.0±0.2	2.0±0.2	1.25±0.15	2.5±0.2
RID3X5X5	3.0±0.2	5.0±0.3	5.0±0.3	1.25±0.15	2.5±0.2
RID3.5X5X6.4	3.5±0.2	5.0±0.3	6.4±0.3	1.8±0.2	3.2±0.2
RID3.5X5X7	3.5±0.2	5.0±0.3	7.0±0.3	1.8±0.2	2.9±0.2
RID4.1X3.2X7	4.1±0.2	3.2±0.2	7.0±0.3	1.8±0.2	2.9±0.2
RID4.1X6.6X7	4.1±0.2	6.6±0.3	7.0±0.3	1.8±0.2	2.9±0.2
RID6.5X4X12	6.5±0.3	4.0±0.2	12.0±0.5	3.8±0.2	5.5±0.3
RID6.5X7X12	6.5±0.3	7.0±0.4	12.0±0.5	3.8±0.2	5.5±0.3
RID7.5X4X13.3	7.5±0.3	4.0±0.2	13.3±0.5	4.1±0.2	6.0±0.3
RID7.5X7X13.3	7.5±0.3	7.0±0.3	13.3±0.5	4.1±0.2	6.0±0.3

Remarks:Other sizes are available upon request if your needs not listed in the catalog

COILFORM(SLUG CORE WITH LEADS) (RWW)

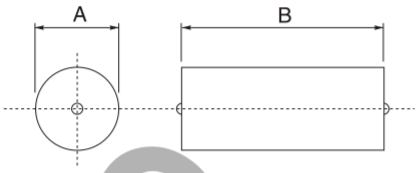


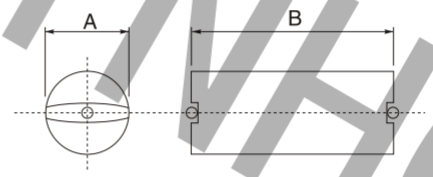
Ordering code

RWW 4 X 15

- B Size
- A Size
- Type code

CONFIGURATIONS(mm)





DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

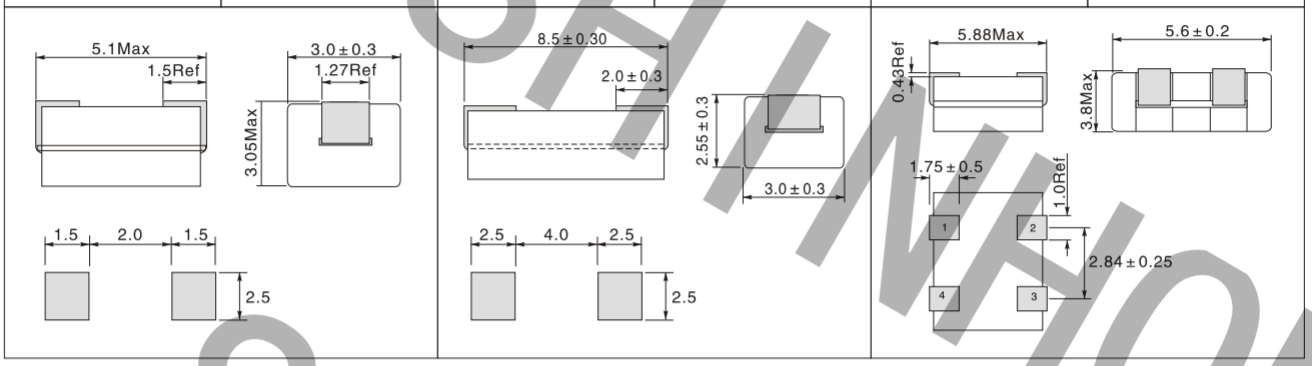
Part No.	A	B
RWW1.6X2.0	1.6±0.1	2.0±0.3
RWW2.3X4	2.3±0.1	4.0±0.3
RWW2.8X10	2.8±0.1	10.0±0.3
RWW3X6.0	3.0±0.15	6.0±0.3
RWW3X10	3.0±0.15	10.0±0.3
RWW3.5X10	3.5±0.15	10.0±0.3
RWW4X10	4.0±0.15	10.00±0.3
RWW4X15	4.0±0.15	15.0±0.4
RWW5X15	5.0±0.2	15.0±0.5
RWW5X19.5	5.0±0.2	19.5±0.6
RWW6X20	6.0±0.2	20.0±0.6
RWW6X25	6.0±0.2	25.0±0.8
RWW6X30	6.0±0.2	30.0±0.8
RWW6.35X31.75	6.35±0.2	31.75±1
RWW8X30	8.0±0.3	30.0±0.8

Remarks:Other sizes are available upon request if your needs not listed in the catalog

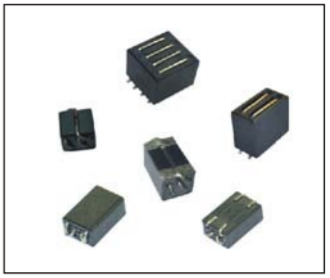
HIGH CURRENT FERRITE BEADS FOR EMI SUPPRESSION （SMB SERIES）

Type

Type	 SMB403025-45	Type	 SMB853025-75	Type	 SMB564725-25
Z@25MHz	30Ω Min	Z@25MHz	50Ω Min	Z@25MHz	15Ω Min
Z@100MHz	49Ω Min	Z@100MHz	76Ω Min	Z@100MHz	25Ω Min
Rated current	9A max.	Rated current	5A max.	Rated current	15A max.



MULTILINE SUPPRESSOR BEADS(_ H)



Ordering code

SMB 5H 05 05

- C Size
- A Size
- Five holds
- Installation method

CONFIGURATIONS(mm)

Both SMD and DIP installation are ok.

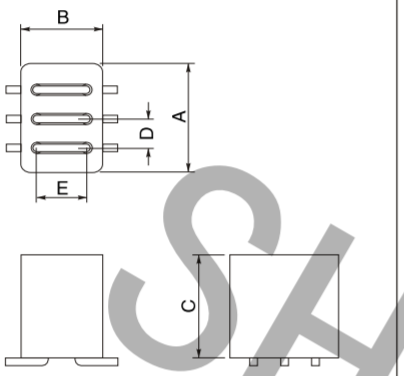


Fig1

Both SMD and DIP installation are ok.

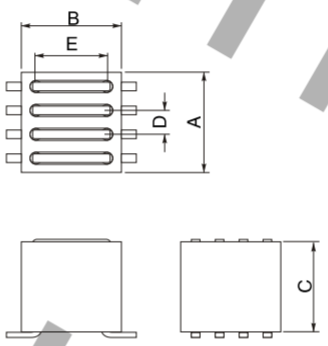


Fig2

Both SMD and DIP installation are ok.

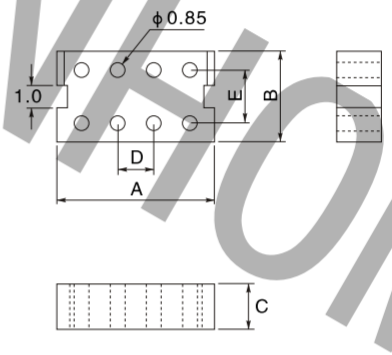


Fig3

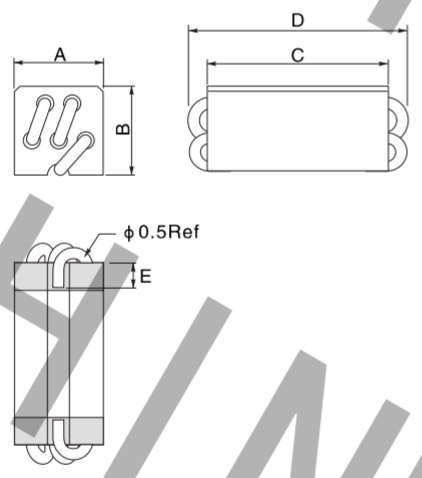


Fig4

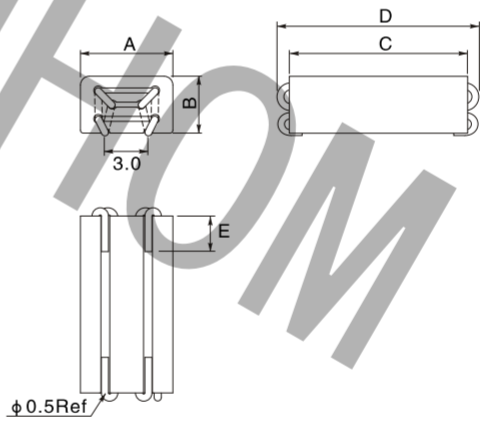


Fig5

DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	Fig.	A	B	C	D	E	IMPEDANCE	
							25MHz(Ω)	100MHz(Ω)
SMB3H0607	5	6.5±0.25	4.0±0.25	7.0±0.3	10.0±0.3	2.5±0.5	75	141
SMB3H0610	5	6.5±0.25	4.0±0.25	10.0±0.3	13.0±0.3	3.25±0.75	109	213
SMB(DIP)6H0710	1	7.6±0.25	5.0±0.2	10.0±0.25	2.54±0.1	2.54±0.1	216	253
SMB(DIP)8H1002	3	10.2±0.3	6.0±0.2	2.6±0.15	2.54±0.1	2.54±0.1	48	73
SMB(DIP)8H1110	2	11.2±0.3	11.2±0.3	10.2±0.25	2.54±0.1	7.62±0.1	239	337
SMB5H0508	4	5.0±0.25	5.0±0.25	8.5±0.3	11.0±0.3	2.0±0.5	435	580

SMD POWER BEAD

SMB4B SERIES

FEATURES:

- Small size, high current, high performance.
- Low DCR, excellent EMI suppression capability.
- Suitable for surface mounting equipment.

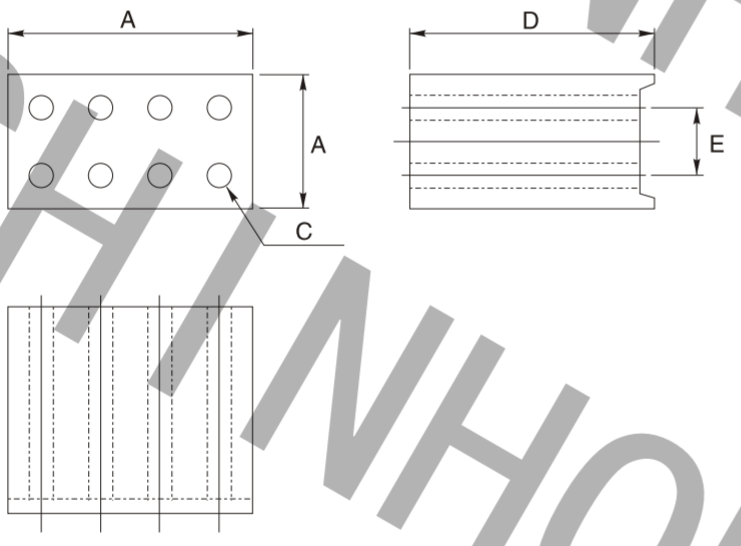
COMMON APPLCATIONS:

- VTR, digital set-top box, LCD Monitor DC/DC converters, xDSL Wireless communication equipment

ELECTRICAL CHARACTERISTICS: 25℃

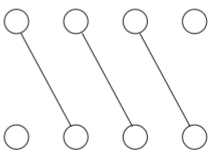
Part Number	Impedance 25MHz (Min)	Impedance 100MHz (Min)
SMB4B1155-141	140	255
SMB4B1111H-201	200	240
SMB4B1111H-2T-451	450	550
SMB4B1111H-3T-801	800	850
SMB4B1111L-121	125	210
SMB4B1111L-2T-281	280	450
SMB4B1111L-3T-551	550	800

PHYSICAL CHARACTERISTICS & TYPE



TYPE: SMB4B-2T

TYPE: SMB4B-3T



Part No.	A	B	C	D	E
SMB4B1155	11±0.3	5.5±0.25	0.65REF	10.5±0.3	2.54REF
SMB4B1111H	11±0.15	11±0.2	0.7REF	10.5±0.3	2.54REF
SMB4B1111L	11±0.15	11±0.2	0.7REF	6.5±0.3	2.54REF

Note:
1.The parameters of list are typical, atypical parameters can be customized according to customer's requirements.
2.Operating temperature: -40℃ to 105℃

SMD EMI SUPPRESSION 5–HOLE FERRITE BEAD

SMB5H SERIES

FEATURES:

- High Current rating
- Low DCR and high IDC beads inductor
- Compact and simple design with high reliability
- Very good SMD solution for traditional wide band choke
- Through–hole axial ferrite beads for EMI suppression
- Surface–mount wire wound beads with high frequency and EMI suppression

APPLCATIONS:

- Modems, PDP, LCD, and TVs converters
- Mobile radios, DC/DC converters
- Noise filtering devices
- Track and SCR control circuits
- Wireless communication equipments
- Computer disk drive and PC board to filter the EMI from outside sources such as car radios, mobile phones and VCRs

DIMENSIONS:(mm)

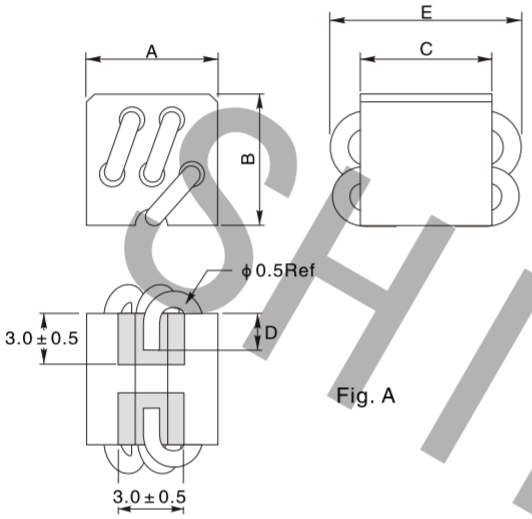


Fig. A

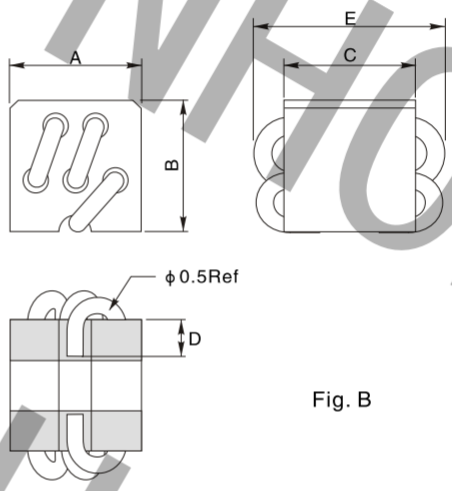


Fig. B

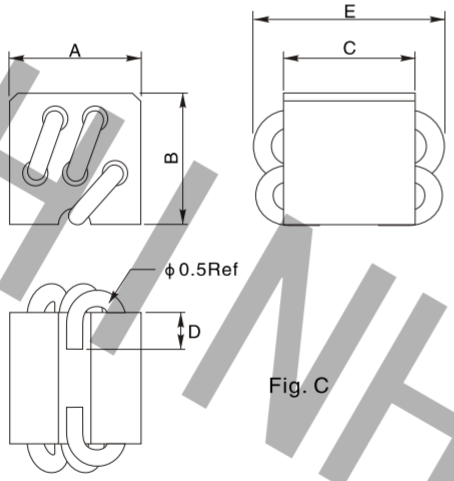


Fig. C

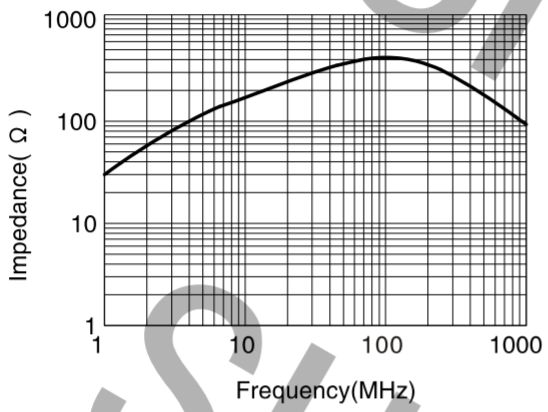
Part No.	A	B	C	D	E	Winding	Fig.
SMB5H0505C–2.5Ts	5.0±0.25	5.0max	5.5±0.3	2.0min	8.0max	ϕ0.5mm*2.5Ts	C
SMB5H0505B–2.5Ts	5.0±0.5	4.6±0.5	5.5±0.5	2.0max	8.0max	ϕ0.5mm*2.5Ts	B
SMB5H0508C–2.5Ts	5.0±0.25	5.0max	8.5±0.3	3.5max	11.0max	ϕ0.5mm*2.5Ts	C
SMB5H0508B–2.5Ts	5.0±0.5	4.65±0.5	8.5±0.5	2.0±0.5	11.0max	ϕ0.5mm*2.5Ts	B
SMB5H0508A–2.5Ts	5.0±0.5	4.65±0.5	8.5±0.5	2.0min	11.0max	ϕ0.5mm*2.5Ts	A

SMD EMI SUPPRESSION 5–HOLE FERRITE BEAD

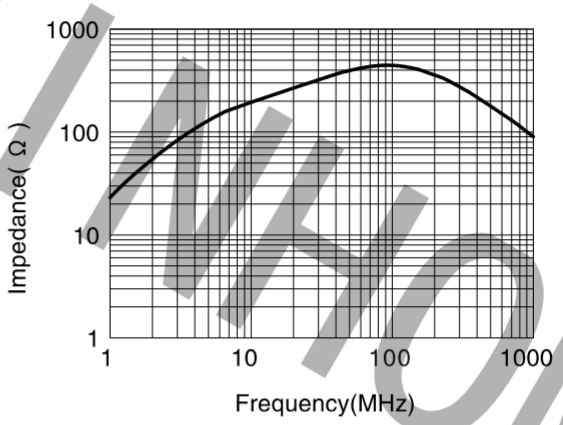
SMB5H SERIES

IMPEDANCE VS FREQUENCY CURVE

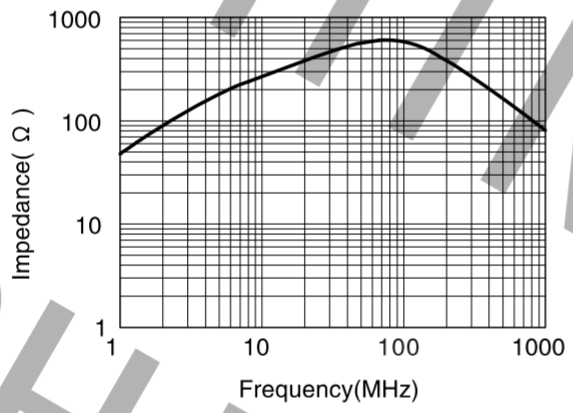
SMB5H0505C–2.5Ts



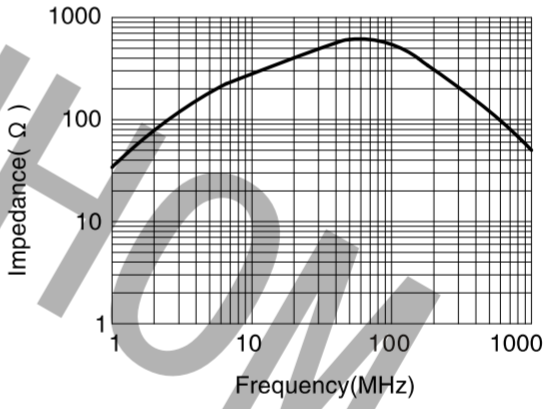
SMB5H0505B–2.5Ts



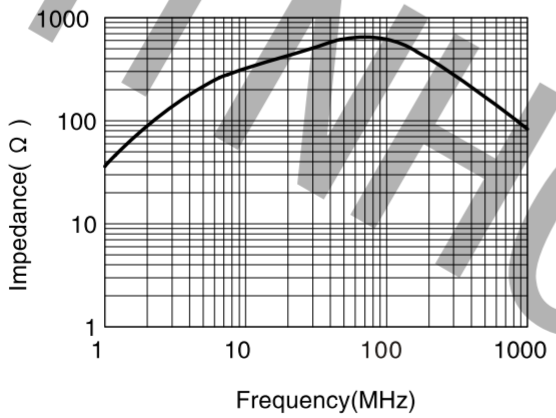
SMB5H0508C–2.5Ts



SMB5H0508B–2.5Ts



SMB5H0508A–2.5Ts



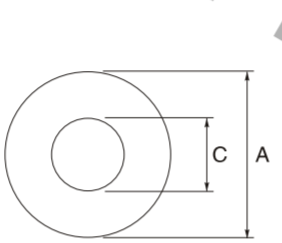
TOROIDAL CORE(T)

Ordering code

T 2.5 X 1.3 X 1.3

- C Size
- B Size
- A Size
- Type code

CONFIGURATIONS(mm)



DIMENSION OF MAIN PRODUCTIONS & IMPEDANCE@25℃

Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T2.5X1.3X1.3	2.5±0.3	1.3±0.3	1.3±0.3	10	50
T3X3X1.2	3.0±0.3	3.0±0.3	1.2±0.3	20	65
T3.5X2X1.8	3.5±0.4	2.0±0.4	1.8±0.3	20	60
T3.5X3X1.0	3.5±0.4	3.0±0.4	1.0±0.3	30	75
T3.5X3X0.8	3.5±0.4	3.0±0.4	0.8±0.3	30	80
T3.5X3X1.8	3.5±0.4	3.0±0.4	1.8±0.3	20	65
T3.5X3.2X1.6	3.5±0.4	3.2±0.4	1.6±0.3	20	65
T4X1X2	4.0±0.4	1.0±0.3	2.0±0.3	15	60
T4X2X2	4.0±0.4	2.0±0.4	2.0±0.3	20	65
T4X3X2	4.0±0.4	3.0±0.4	2.0±0.3	20	65
T4X4X1.5	4.0±0.4	4.0±0.4	1.5±0.3	25	70
T4X4X2	4.0±0.4	4.0±0.4	2.0±0.3	20	70
T5X2.5X3	5.0±0.4	2.5±0.4	3.0±0.3	15	65
T5X4X3	5.0±0.4	4.0±0.4	3.0±0.3	20	65
T5X5X3	5.0±0.4	5.0±0.4	3.0±0.3	25	70
T6X2X3	6.0±0.4	2.0±0.3	3.0±0.3	15	60
T6X3X3	6.0±0.4	3.0±0.4	3.0±0.3	20	65
T6X3X4	6.0±0.4	3.0±0.4	4.0±0.4	15	60
T6X4X3	6.0±0.4	4.0±0.4	3.0±0.3	25	70
T6X4X4	6.0±0.4	4.0±0.4	4.0±0.4	20	65
T6X6X3	6.0±0.4	6.0±0.4	3.0±0.3	25	75
T6X6X4	6.0±0.4	6.0±0.4	4.0±0.4	20	65
T6.5X5X4	6.5±0.4	5.0±0.4	4.0±0.4	20	70
T6.5X5X4.3	6.5±0.4	5.0±0.4	4.3±0.4	20	65
T7X7X4	7.0±0.4	7.0±0.4	4.0±0.4	25	80

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Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T7.6X2X5.3	7.6±0.4	2.0±0.4	5.3±0.4	15	60
T7.6X3.6X4.2	7.6±0.4	3.6±0.4	4.2±0.4	20	70
T7.6X5X5.2	7.6±0.4	5.0±0.4	5.2±0.4	20	65
T7.6X6X5	7.6±0.4	6.0±0.4	5.0±0.4	20	70
T8X2X4	8.0±0.3	2.0±0.4	4.0±0.4	15	60
T8X3X4	8.0±0.4	3.0±0.4	4.0±0.4	20	65
T8X4X4	8.0±0.4	4.0±0.4	4.0±0.4	25	70
T8X6.3X5.6	8.0±0.4	6.3±0.4	5.6±0.4	20	70
T8X7X6	8.0±0.4	7.0±0.4	6.0±0.4	20	65
T8X7.5X5.3	8.0±0.4	7.5±0.4	5.3±0.4	20	75
T8X8X4	8.0±0.4	8.0±0.4	4.0±0.4	35	90
T9X3X5	9.0±0.4	3.0±0.4	5.0±0.4	20	60
T9.1X4.6X5	9.1±0.4	4.6±0.4	5.0±0.4	20	70
T9X4.5X5	9.0±0.4	4.5±0.4	5.0±0.4	20	70
T9X8X5	9.0±0.3	8.0±0.3	5.0±0.3	30	80
T9.5X5X5	9.5±0.4	5.0±0.4	5.0±0.4	20	70
T9.5X9.5X5	9.5±0.4	9.5±0.4	5.0±0.4	35	90
T9.8X6.5X6	9.8±0.4	6.5±0.4	6.0±0.4	25	75
T10X2X6	10.0±0.4	2.0±0.4	6.0±0.4	15	60
T10X3X6	10.0±0.4	3.0±0.4	6.0±0.4	20	60
T10X4X6	10.0±0.4	4.0±0.4	6.0±0.4	20	65
T10X4X7	10.0±0.4	4.0±0.4	7.0±0.4	20	60
T10X5X5	10.0±0.4	5.0±0.4	5.0±0.4	25	75
T10X5X6	10.0±0.4	5.0±0.4	6.0±0.4	20	70
T10X6X6	10.0±0.5	6.0±0.5	6.0±0.5	25	75
T10X5X7	10.0±0.5	6.0±0.5	7.0±0.5	20	65
T10X7X6	10.0±0.4	7.0±0.4	6.0±0.4	25	75
T10X7.5X6	10.0±0.4	7.5±0.4	6.0±0.4	25	80
T10X7X7	10.0±0.4	7.0±0.4	7.0±0.4	20	70
T10X7.5X7	10.0±0.4	7.5±0.4	7.0±0.4	25	70
T10X8X6	10.0±0.4	8.0±0.4	6.0±0.4	30	80
T10X10X4.2	10.0±0.4	10.0±0.4	4.2±0.4	55	115
T10X10X5	10.0±0.4	10.0±0.4	5.0±0.4	35	85
T10X10X6	10.0±0.4	10.0±0.4	6.0±0.4	35	85
T10X10X7	10.0±0.5	10.0±0.4	7.0±0.4	30	80
T10.5X10X7.3	10.5±0.4	10.0±0.4	7.3±0.4	25	75
T10X20X4.2	10.0±0.4	20.0±0.6	4.2±0.6	100	200
T11X8X5	11.0±0.5	8.0±0.4	5.0±0.4	30	90
T12X4X6	12.0±0.5	4.0±0.4	6.0±0.4	25	70
T12X5X8	12.0±0.5	5.0±0.4	8.0±0.4	20	65
T12X5.3X7.3	12.0±0.5	5.3±0.4	7.3±0.4	20	75

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Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T12X5.5X7	12.0±0.5	5.5±0.4	7.0±0.4	20	70
T12X6X6	12.0±0.5	6.0±0.4	6.0±0.4	25	80
T12X6X7.3	12.0±0.5	6.0±0.4	7.3±0.4	25	70
T12X7X8	12.0±0.5	7.0±0.4	8.0±0.4	20	70
T12X8X6	12.0±0.5	8.0±0.4	6.0±0.4	35	85
T12X8X7	12.0±0.5	8.0±0.4	7.0±0.4	30	85
T12X9X5.6	12.0±0.5	9.0±0.4	5.6±0.4	40	105
T12X10X3.55	12.0±0.5	10.0±0.4	3.55±0.4	85	180
T12X10X7	12.0±0.5	10.0±0.4	7.0±0.4	35	85
T12X12X5.6	12.0±0.5	12.0±0.5	5.6±0.4	45	110
T12X12X6.5	12.0±0.5	12.0±0.5	6.5±0.4	40	95
T12X12X8	12.0±0.5	12.0±0.5	8.0±0.4	35	90
T12.5X6.5X5	12.5±0.5	6.5±0.4	5.0±0.4	35	85
T12.5X12X8	12.5±0.5	12.0±0.5	8.0±0.4	35	90
T12.7X6.35X7.9	12.7±0.5	6.35±0.3	7.9±0.4	25	70
T12.7X4.8X7.9	12.7±0.5	4.8±0.4	7.9±0.4	20	70
T12.7X9.6X7.9	12.7±0.5	9.6±0.4	7.9±0.4	30	90
T12.7X12.7X7.3	12.7±0.5	12.7±0.5	7.3±0.4	45	100
T12.7X12.7X7.9	12.7±0.5	12.7±0.5	7.9±0.4	40	95
T12.7X12.7X11	12.7±0.5	12.7±0.5	11.0±0.4	20	70
T13X3X7	13.0±0.5	3.0±0.4	7.0±0.4	20	65
T13X6.3X7	13.0±0.5	6.3±0.4	7.0±0.4	25	75
T13X6.5X8	13.0±0.5	6.3±0.4	8.0±0.4	20	70
T13X7X7	13.0±0.5	7.0±0.4	7.0±0.4	30	80
T13X10X8.2	13.0±0.5	10.0±0.4	8.2±0.5	30	85
T13X12.7X7.1	13.0±0.5	12.7±0.5	7.1±0.5	40	100
T14X4X8	14.0±0.5	4.0±0.4	8.0±0.4	20	70
T14X5X8	14.0±0.5	5.0±0.4	8.0±0.4	20	70
T14X5X9	14.0±0.5	5.0±0.4	9.0±0.4	20	70
T14X5.5X9	14.0±0.5	5.5±0.4	9.0±0.4	20	70
T14X14X10	14.0±0.5	14.0±0.5	10.0±0.4	35	90
T14.2X5X10	14.2±0.5	5.0±0.4	10.0±0.4	20	65
T14.2X5.5X8.7	14.2±0.5	5.5±0.4	8.7±0.4	20	70
T14.2X7X8	14.2±0.5	7.0±0.4	8.0±0.4	25	80
T14.2X8X9	14.2±0.5	8.0±0.4	9.0±0.4	25	75
T14.2X10X8	14.2±0.5	10.0±0.4	8.0±0.4	35	95
T14.2X8X10	14.2±0.5	8.0±0.6	10.0±0.6	20	70
T14.2X10.16X6.35	14.2±0.5	10.16±0.4	6.35±0.4	40	100
T14.2X12X7.8	14.2±0.5	12.0±0.4	7.8±0.4	45	105
T14.2X12.7X6.7	14.2±0.5	12.7±0.5	6.7±0.4	50	110
T14.2X13X8	14.2±0.5	13.0±0.5	8.0±0.4	45	110

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Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T14.2X13.8X6.35	14.2±0.5	13.8±0.5	6.35±0.4	50	130
T14.5X8X10	14.5±0.5	8.0±0.4	10.0±0.5	25	70
T15X5X10	15.0±0.5	5.0±0.4	10.0±0.5	20	65
T15X15X10.5	15.0±0.5	15.0±0.4	10.5±0.5	30	90
T15.2X12.5X10.5	15.2±0.5	12.5±0.4	10.5±0.5	30	85
T15.6X14X13.4	15.6±0.5	14.0±0.4	13.4±0.5	25	75
T15.87X14.3X7.9	15.87±0.5	14.3±0.4	7.9±0.4	55	125
T16X4X9	16.0±0.5	4.0±0.4	9.0±0.5	20	70
T16X4X10	16.0±0.5	4.0±0.4	10.0±0.5	20	65
T16X5X10	16.0±0.5	5.0±0.5	10.0±0.5	20	70
T16X5.4X9	16.0±0.5	5.4±0.5	9.0±0.5	20	70
T16X7X9	16.0±0.5	7.0±0.5	9.0±0.5	30	80
T16X7X10	16.0±0.5	7.0±0.4	10.0±0.5	25	75
T16X8X10	16.0±0.5	8.0±0.4	10.0±0.5	25	80
T16X8X12	16.0±0.5	8.0±0.4	12.0±0.5	20	70
T16X10X7	16.0±0.5	10.0±0.4	7.0±0.4	40	105
T16X10X8	16.0±0.5	10.0±0.4	8.0±0.4	45	105
T16X10X9	16.0±0.5	10.0±0.4	9.0±0.5	40	95
T16X10X10	16.0±0.5	10.0±0.4	10.0±0.5	30	85
T16X10X12	16.0±0.5	10.0±0.4	12.0±0.5	25	75
T16X12X9.5	16.0±0.5	12.0±0.5	9.5±0.5	30	90
T16X12X10	16.0±0.5	12.0±0.5	10.0±0.5	30	90
T16X13X8	16.0±0.5	13.0±0.5	8.0±0.4	45	115
T16X13X9	16.0±0.5	13.0±0.5	9.0±0.5	40	100
T16X14X10	16.0±0.5	14.0±0.5	10.0±0.5	40	100
T16X15X9	16.0±0.5	15.0±0.5	9.0±0.5	50	115
T16X16X8	16.0±0.5	16.0±0.5	8.0±0.4	65	130
T16X16X9	16.0±0.5	16.0±0.5	9.0±0.5	50	115
T16X16X10	16.0±0.5	16.0±0.5	10.0±0.5	50	110
T17.5X6.35X9.5	17.5±0.6	6.35±0.4	9.5±0.5	25	75
T17.5X7X9.6	17.5±0.6	7.0±0.4	9.6±0.5	30	85
T17.5X10X8	17.5±0.6	10.0±0.4	8.0±0.4	40	100
T17.5X11X9.5	17.5±0.6	11.0±0.5	9.5±0.5	40	90
T17.5X12X11.3	17.5±0.6	12.0±0.5	11.3±0.5	30	90
T17.5X12.5X12	17.5±0.6	12.5±0.5	12.0±0.5	30	90
T17.5X9.5X12.7	17.5±0.6	9.5±0.4	12.7±0.5	25	80
T17.5X12.7X9.5	17.5±0.6	12.7±0.5	9.5±0.5	45	110
T17.5X12.7X10.7	17.5±0.6	12.7±0.5	10.7±0.5	40	95
T17.5X13.5X9.5	17.5±0.6	13.5±0.5	9.5±0.5	50	110
T17.5X15X9.5	17.5±0.6	15.0±0.5	9.5±0.5	55	125
T18X6X10	18.0±0.6	6.0±0.5	10.0±0.5	25	75

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Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T18X7X10	18.0±0.6	7.0±0.4	10.0±0.4	30	80
T18X8X10	18.0±0.6	8.0±0.4	10.0±0.5	30	85
T18X10X10	18.0±0.6	10.0±0.4	10.0±0.5	35	90
T18X12X10	18.0±0.6	12.0±0.5	10.0±0.5	45	105
T18X12X12	18.0±0.6	12.0±0.5	12.0±0.5	30	85
T18X14X10	18.0±0.6	14.0±0.5	10.0±0.5	50	110
T18X15X10	18.0±0.6	15.0±0.5	10.0±0.4	50	120
T18X18X10	18.0±0.6	18.0±0.6	10.0±0.5	70	130
T18.2X6.4X11.2	18.2±0.6	6.4±0.4	11.2±0.5	20	75
T18.2X6.5X10	18.2±0.6	6.5±0.4	10.0±0.5	25	80
T18.4X9.6X12.5	18.4±0.6	9.6±0.4	12.5±0.5	25	85
T18.2X12.5X9.5	18.2±0.6	12.5±0.5	9.5±0.5	50	110
T18.4X14.3X9.5	18.4±0.6	14.3±0.5	9.5±0.5	50	115
T19X11X13	19.0±0.6	11.0±0.5	13.0±0.5	30	80
T19.5X12.7X9.5	19.5±0.6	12.7±0.5	9.5±0.5	50	120
T20X5X10	20.0±0.6	5.0±0.4	10.0±0.5	25	75
T20X7X10	20.0±0.6	7.0±0.4	10.0±0.5	30	80
T20X8X10	20.0±0.6	8.0±0.4	10.0±0.5	35	90
T20X10X10	20.0±0.6	10.0±0.4	10.0±0.5	40	95
T20X15X10	20.0±0.6	15.0±0.5	10.0±0.5	65	135
T20.8X30X11.6	20.8±0.6	30.0±0.5	11.6±0.5	90	200
T21X13X12	21.0±0.6	13.0±0.5	12.0±0.5	35	95
T21X12X13.2	21.0±0.6	12.0±0.5	13.2±0.5	30	85
T21X6X12.7	21.0±0.6	6.0±0.4	12.7±0.5	20	75
T22X8X14	22.0±0.6	8.0±0.4	14.0±0.5	30	80
T22.5X6.4X13.8	22.5±0.6	6.4±0.4	13.8±0.5	25	75
T22.5X6.4X14.3	22.5±0.6	6.4±0.4	14.3±0.4	25	70
T22.5X8X13.8	22.5±0.6	8.0±0.4	13.8±0.5	30	80
T22.5X10X13.8	22.5±0.6	10.0±0.4	13.8±0.5	35	90
T22.5X9.5X13.5	22.5±0.6	9.5±0.4	13.5±0.5	30	85
T22.5X12.7X13.5	22.5±0.6	12.7±0.5	13.5±0.5	40	95
T23X10X18	23.0±0.6	10.0±0.4	18.0±0.5	20	70
T23.5X9.5X12.7	23.5±0.6	9.5±0.4	12.7±0.5	35	90
T24X14X11.4	24.0±0.6	14.0±0.5	11.4±0.5	50	120
T25X8X15	25.0±0.6	8.0±0.4	15.0±0.5	25	80
T25X10X15	25.0±0.6	10.0±0.4	15.0±0.5	30	85
T25X12X15	25.0±0.6	12.0±0.5	15.0±0.5	40	95
T25X15X13	25.0±0.6	15.0±0.5	13.0±0.5	55	125
T25X15X15	25.0±0.6	15.0±0.5	15.0±0.5	45	110
T26X8X16	26.0±0.6	8.0±0.4	16.0±0.5	25	80
T26X15X13	26.0±0.6	15.0±0.5	13.0±0.5	50	120

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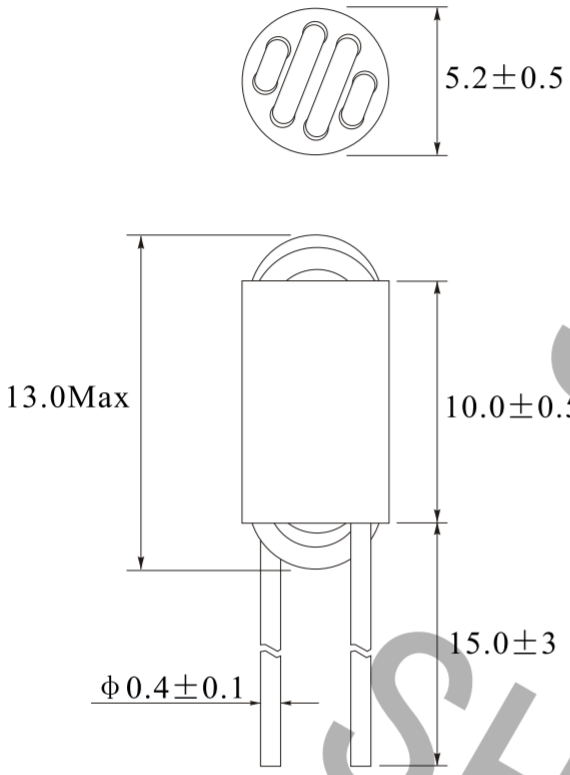
Part No.	A	B	C	IMPEDANCE	
				25MHz(Ω)	100MHz(Ω)
T28X7.5X16	28.0±0.7	7.5±0.4	16.0±0.6	30	80
T28X8X18	28.0±0.7	8.0±0.4	18.0±0.6	25	80
T28X10X16	28.0±0.7	10.0±0.4	16.0±0.6	35	90
T28X10X18	28.0±0.7	10.0±0.4	18.0±0.6	30	85
T28X13X16	28.0±0.7	13.0±0.5	16.0±0.6	45	105
T28X20X16	28.0±0.7	20.0±0.5	16.0±0.6	50	135
T28.5X28.5X13.8	28.5±0.7	28.5±0.7	13.8±0.5	120	250
T28X28X16	28.0±0.7	28.0±0.7	16.0±0.6	85	200
T29X7.7X19	29.0±1	7.7±0.4	19.0±0.6	25	75
T29X10X19	29.0±1	10.0±0.4	19.0±0.6	30	90
T29X12X19	29.0±1	12.0±0.4	19.0±0.6	35	90
T29X13.8X19	29.0±1	13.8±0.5	19.0±0.6	45	95
T29X15X19	29.0±1	15.0±0.5	19.0±0.6	35	100
T31X5X19	31.0±1	5.0±0.4	19.0±0.6	20	70
T31X7X19	31.0±1	7.0±0.4	19.0±0.6	25	80
T31X8X19	31.0±1	8.0±0.4	19.0±0.6	25	80
T31X10X19	31.0±1	10.0±0.4	19.0±0.6	35	90
T31X12X18	31.0±1	12.0±0.5	18.0±0.6	35	105
T31X12X21	31.0±1	12.0±0.5	21.0±0.5	30	85
T31X13X19	31.0±1	13.0±0.5	19.0±0.6	40	100
T31X16X19	31.0±1	16.0±0.5	19.0±0.6	50	115
T31X18X19	31.0±1	18.0±0.5	19.0±0.6	50	125
T35X6X20.8	35.0±1	6.0±0.5	20.8±0.6	30	75
T35X12.6X20.8	35.0±1	12.6±0.5	20.8±0.6	50	100
T36X10X20	36.0±1	10.0±0.4	20.0±0.6	30	70
T36X12X25	36.0±1	12.0±0.5	25.0±0.6	30	90
T36X12.7X25	36.0±1	12.7±0.5	25.0±0.6	35	85
T36X13X23	36.0±1	13.0±0.5	23.0±0.6	35	95
T36X20X23	36.0±1	20.0±0.6	23.0±0.6	50	115
T36X23X15	36.0±1	23.0±0.6	15.0±0.6	100	210
T40.6X15X27.4	40.6±1.5	15.0±0.5	27.4±0.6	40	90

Remarks:Other sizes are available upon request if your needs not listed in the catalog

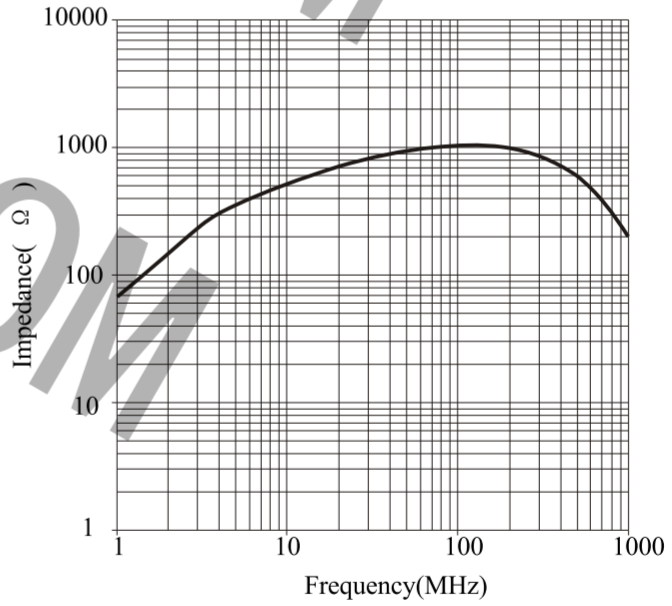
Rev.	Description	Date
A0	New release	2024.08.01

1.PHYSICAL CHARACTERISTICS(mm)



2. ELECTRICAL CHARACTERISTICS

Impedance: 650Ω Min@25MHz
900Ω Min@100MHz
DCR: 20mΩ Max
Rated current: 2A
Max current: 4A
Operating temperature: -40℃ to +125℃
Storage temperature: -10℃ to +80℃



Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

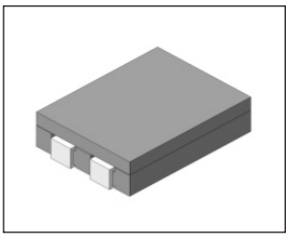
2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

NAME:	8-Hole ferrite beads		
CUSTOMER P/N:		DATE:	2024-08-01
SHINHOM P/N:	R8H-4TS	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

SHINHOM
SHAANXISHINHOM ENTERPRISE CO LTD

SMT Couple Inductor
SMB Series



Features

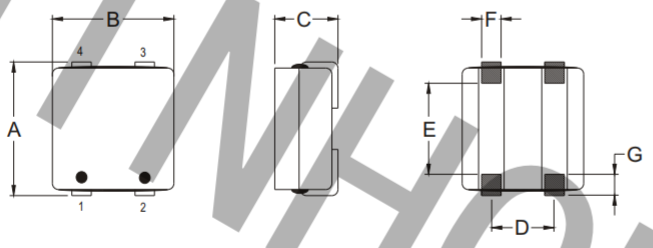
- RoHS compliant.
- Low profile, SMD type.
- High current.
- Magnetic shielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

ELECTRICAL CHARACTERISTICS:

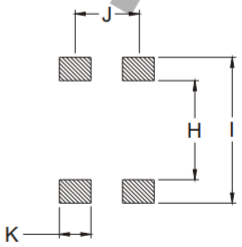
PART NO.	L [1] (nH)	L @ Isat1 (nH)	2*Lk [2] (nH)	2*Lk @ Isat2 (nH)	DCR (mΩ)	Isat1 [3] (Adc)	Isat2 [4] (Adc)
SMB0620B-800	80 ± 20%	64 ± 20%	45 ± 20%	32 MIN.	0.53 ± 10%	15	50
SMB0620B-101	100 ± 20%	80 ± 20%	55 ± 20%	40 MIN.	0.53 ± 10%	12	40
SMB0620B-141	140 ± 20%	112 ± 20%	80 ± 20%	56 MIN.	0.53 ± 10%	8	30
SMB0630B-151	150 ± 20%	120 ± 20%	85 ± 20%	80 MIN.	0.53 ± 10%	15	30
SMB1040B-R15	150 ± 20%	120 MIN.	150 ± 20%	/	0.30 ± 10%	38	/
SMB1040B-R30	300 ± 20%	224 ± 20%	180 ± 20%	144 MIN.	0.30 ± 10%	21	40
SMB1350B-R20H	200 ± 20%	160 MIN.	120 ± 20%	96 MIN.	0.245 ± 10%	24	50
SMB1375B-0R3	300 ± 20%	240 MIN.	200 ± 20%	/	0.43 ± 10%	55	/
SMB1440B-0R3	300 ± 20%	240 MIN.	180 ± 20%	144 MIN.	0.49 ± 10%	26	60
SMB1440B-R36	360 ± 20%	300 MIN.	200 ± 20%	160 MIN.	0.49 ± 10%	20	55
SMB1480BW-0R3	300 ± 20%	240 MIN.	200 ± 20%	/	0.18 ± 10%	50	/
SMB1490B-R42	420 ± 20%	336 ± 20%	280 ± 20%	/	0.53 ± 10%	55	/
SMB1740B-R31	310 ± 20%	300 ± 20%	168 ± 20%	168 ± 20%	0.38 ± 10%	21	35
SMB1970B-R42	420 ± 20%	336 MIN.	280 ± 20%	/	0.45 ± 10%	55	/

1. L is the inductance of each phase (1-4 @ 2,3 open or 2-3 @ 1,4 open) @100KHz, 1V, 25°C.
2. 2*Lk is two times of leakage inductance (1-2 @ 4,3 short)
3. Isat1 is the DC current which cause the L drop to L @ Isat1.(The unbalance current of both phase should smaller than Isat1.)
4. Isat2 is the DC current which cause the 2*Lk drop to 2*Lk @ Isat2.
5. Operating temperature : -40°C to 125°C (including self-temperature rise).

DIMENSIONS(mm) :



RECOMMENDED PAD PATTERNS



UNIT : mm

SERIES	A	B	C (MAX)	D± 0.5	E ±1.0	F± 0.2	G±0.5	H	I	J	K
SMB0620B	7.0 ± 0.5	6.0 ± 0.5	2.0	2.5	4.0	1.5	1.5	3.0	8.00	2.5	2.0
SMB0630B	7.0 ± 0.5	6.0 ± 0.5	3.0	2.5	4.0	1.5	1.5	3.0	8.00	2.5	2.0
SMB1040B	10.5 ± 1.0	10.0 ± 0.5	4.0	4.1	6.0	2.0	2.5	5.0	12.00	4.1	2.5
SMB1350B	12.7 MAX.	12.05 MAX.	5.0	5.3	9.3	3.0	1.5	8.8	13.20	5.3	3.8
SMB1375B	13.0 ± 0.5	13.0 ± 0.5	7.8	4.1	8.0	2.0	2.5	7.5	14.00	4.1	2.5
SMB1440B	14.0 MAX.	10.0 ± 0.5	4.0	4.1	8.0	2.0	2.5	8.4	14.60	4.1	2.5
SMB1480BW	13.0 ± 0.5	17.4 ± 0.5	8.0	6.3	8.0	4.3	2.5	7.5	14.00	6.3	4.8
SMB1490B	14.5 ± 1.0	16.0 ± 0.5	9.0	6.1	9.5	2.0	2.5	9.0	15.50	6.1	2.5
SMB1740B	17.0 ± 1.0	10.0 ± 0.5	4.0	4.2	13.0	2.4	2.0	11.4	19.05	4.2	3.6
SMB1970B	19.7 ± 1.0	13.5 ± 0.5	7.0	5.3	13.5	2.2	3.0	12.5	20.70	5.3	2.7