

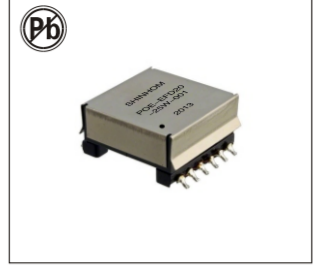
POE DC/DC TRANSFORMERS POE-EFD SERIES

Features

- Surface mount
- Power from 25 to 60 W
- Output voltage from 5 to 12 V
- Operating temperature: -40°C up to +105°C
- RoHS compliant

Applications

- VoIP phones
- WLAN APs
- Security IP cameras
- Routers
- Gateways



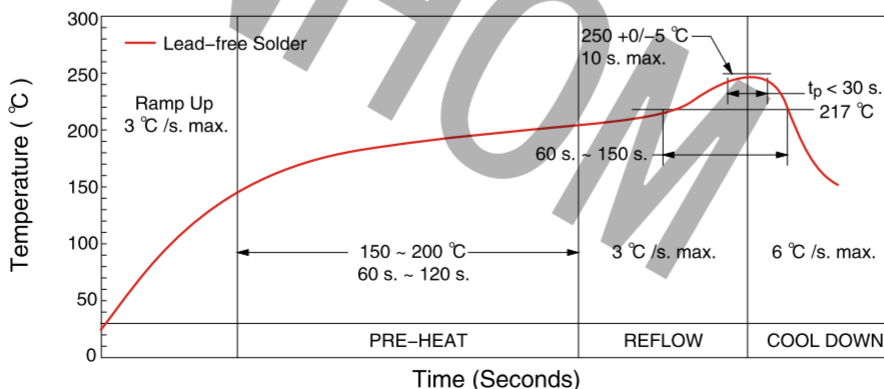
ELECTRICAL CHARACTERISTICS:@25°C

Part Number	Primary Inductance		Leakage Inductance		DCR		Turns ratio		Input Voltage Switching Frequency	Main Output		
POE-EFD20-25W-001	(1,2-3,4) w/ (1,2 & 3,4 shorted) @ 250 kHz / 0.5 V	70uH ± 10%	(1,2-3,4) w/ (1,2 & 3,4 & 5,6 & 7,8,9,10,11,12 shorted) @ 250 kHz / 0.5 V	0.62uH max.	(1,2-3,4) w/ (1,2 & 3,4 shorted)	75mΩ max	(1,2-3,4 : 5-6) w/ (1,2 & 3,4 shorted)	2.44 ± 3%:1	36 V – 57 V 250 kHz	5.0 V 5.0 A		
					(5-6)	250mΩ max	(1,2-3,4 : 7,8,9-10,11,12) w/ (1,2 & 3,4 & 10,11,12 & 7,8,9 shorted)	5.5 ± 3%:1				
					(7,8,9-10,11,12) w/ (10,11,12 & 7,8,9 shorted)	5mΩ max						
POE-EFD20-19W-001	(1-2) @ 250 kHz / 0.1 V	75uH ± 10%	(1-2) w/ (7,8,9,10,11,12 shorted) @ 250 kHz / 0.1 V	3uH max.	(1-2)	100mΩ max	(1-2 : 5-6) (1-2 : 7-12) (1-2 : 8-12) (1-2 : 10-12)	3.33 ± 3%:1 3.33 ± 3%:1 6.67 ± 3%:1 10 ± 3%:1	40 V – 57 V 250 kHz	5.0 V 3.8 A		
					(5-6)	120mΩ max						
					(7-8)	55mΩ max						
					(8-10) w/ (9,10 shorted)	5mΩ max						
					(12-10) w/ (12,11 & 10,9 shorted)	5mΩ max						
POE-EFD20-60W-001	(1,2-3,4) w/ (1,2 & 3,4 shorted) @ 100 kHz / 0.1 V	100uH ± 10%	(1,2-3,4) w/ (1,2 & 3,4 & 5,6 & 7,8,9,10,11,12 shorted) @ 100 kHz / 0.1 V	0.35uH max.	(1,2-3,4) w/ (1,2 & 3,4 shorted)	39mΩ max	(1,2-3,4 : 5-6) w/ (1,2 & 3,4 shorted)	1.71 ± 3%:1	36 V – 72 V 250 kHz	12.0 V 5.0 A		
					(5-6)	90mΩ max	(1,2-3,4 : 7,8,9-10,11,12) w/ (1,2 & 3,4 & 12,11,10 & 9,8,7 shorted)	1.71 ± 3%:1				
					(7,8,9-10,11,12) w/ (12,11,10 & 9,8,7 shorted)	12mΩ max						
POE-EFD25-50W-001	(1-3) @ 100 kHz / 0.1 V	65uH ± 10%	(1-3) w/ (7,8,9,10,11,12 shorted) @ 100 kHz / 0.1 V	750nH max.	(1-3)	75mΩ max	(1-3 : 5-6)	2.5 ± 3%:1	42.5 V – 57 V 250 kHz	12.0 V 4.2 A		
					(5-6)	280mΩ max	(1-3 : 7,8,9-10,11,12)	2.5 ± 3%:1				
					(7,8,9-10,11,12) w/ (10,11,12 & 7,8,9 shorted)	20mΩ max	(1-2 : 6-7) w/ (10,11,12 & 7,8,9 shorted)	4.5 ± 3%:1				

Hi-Pot for PRI-SEC is 1500 Vac (60 Hz / 2 sec / 1 mA);
POE20-60W-001 Hi-Pot for PRI-SEC: 1875 Vac (60 Hz / 2 sec / 1 mA)

SOLDERING PROFILE:

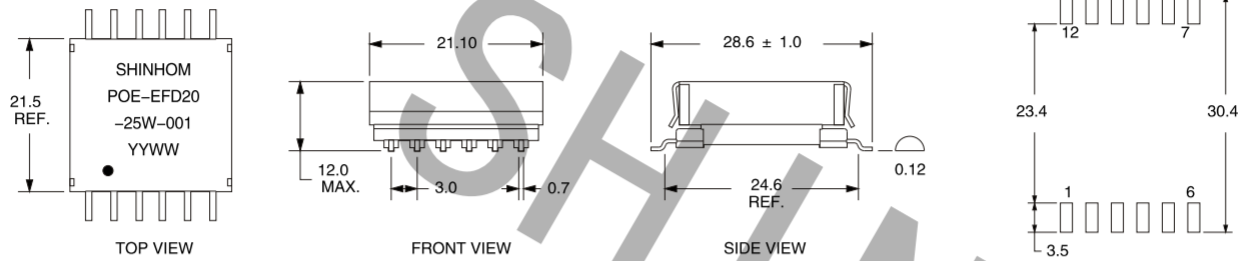
The duration from room temperature (25 °C) to peak temperature is 8 minutes maximum.



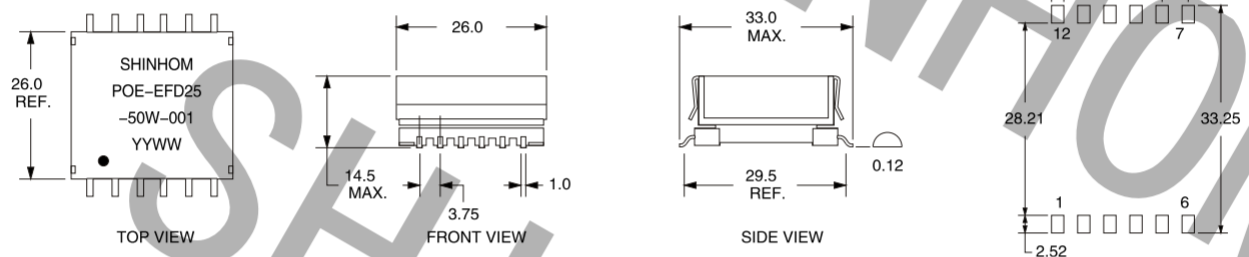
PHYSICAL CHARACTERISTICS:(mm)

LAYOUT:

POE-EFD20

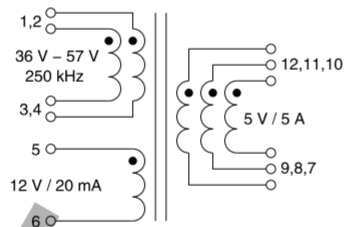


POE-EFD25



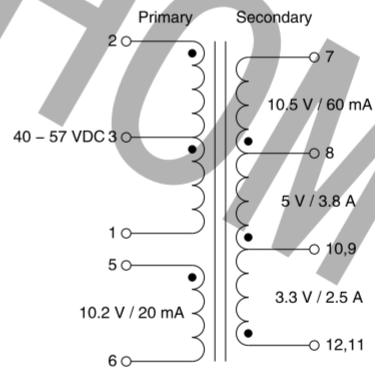
ELECTRICAL SCHEMATIC:

POE-EFD20-25W-001

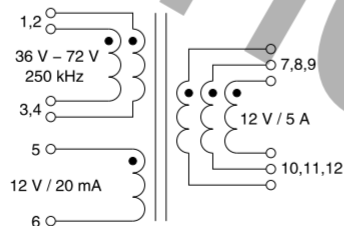


Primary windings and secondary windings to be connected in parallel on PC board.

POE-EFD20-19W-001

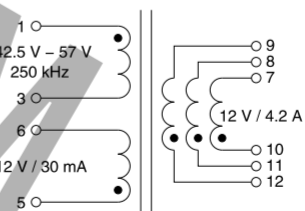


POE-EFD20-60W-001



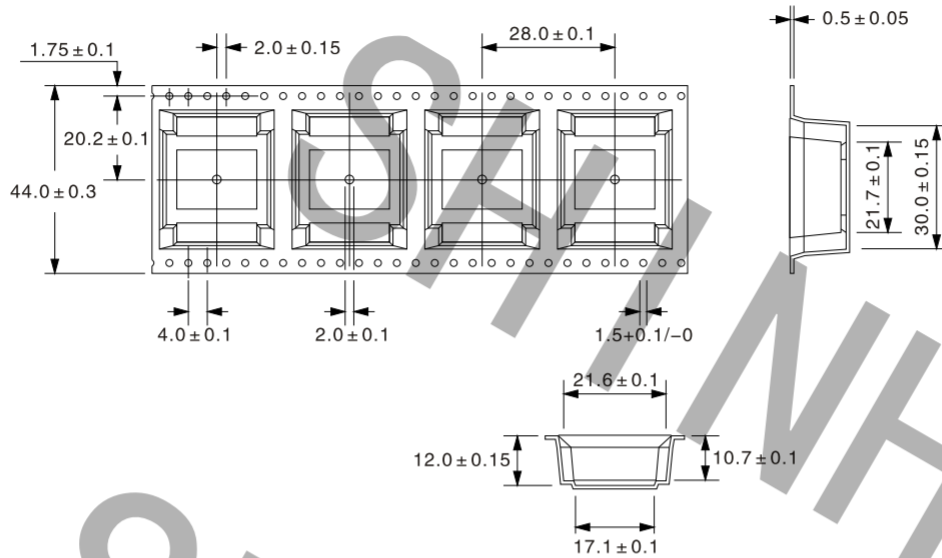
Primary windings and secondary windings to be connected in parallel on PC board.

POE-EFD25-50W-001

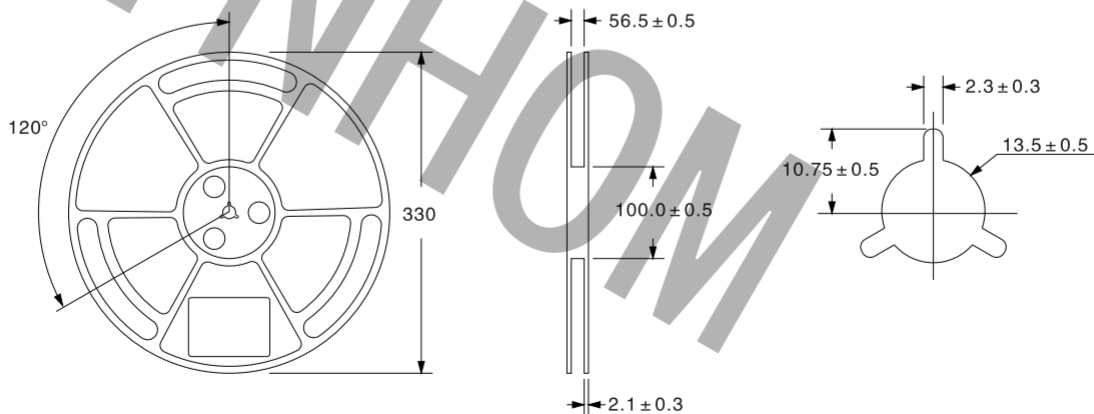
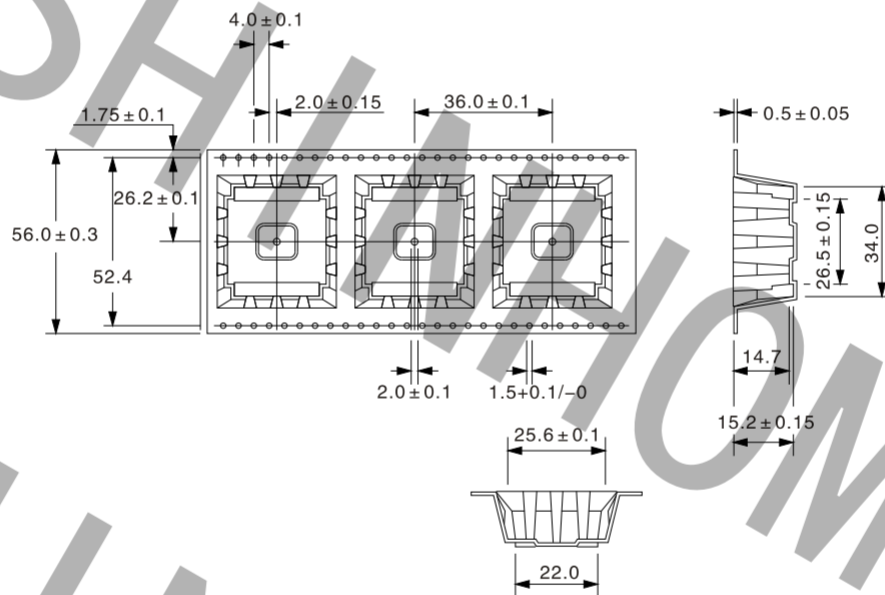


PACKAGING SPECIFICATIONS:(mm)

POE-EFD20 150 pcs/reel, 2 reels/carton, 300 purchase.



POE-EFD25 100 pcs/reel, 2 reels/carton, 200 purchase.



POE DC/DC TRANSFORMERS

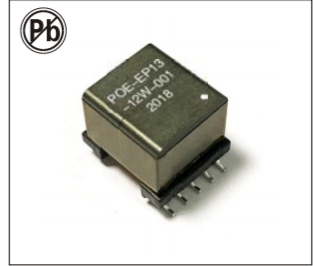
POE-EP13 SERIES

Features

- Surface mount
- Power from 12 to 72 W
- Output voltage from 3.3 to 12 V
- Operating temperature: -40°C up to +165°C
- RoHS compliant

Applications

- VoIP phones
- WLAN APs
- Security IP cameras
- Routers
- Gateways



ELECTRICAL CHARACTERISTICS:@25°C

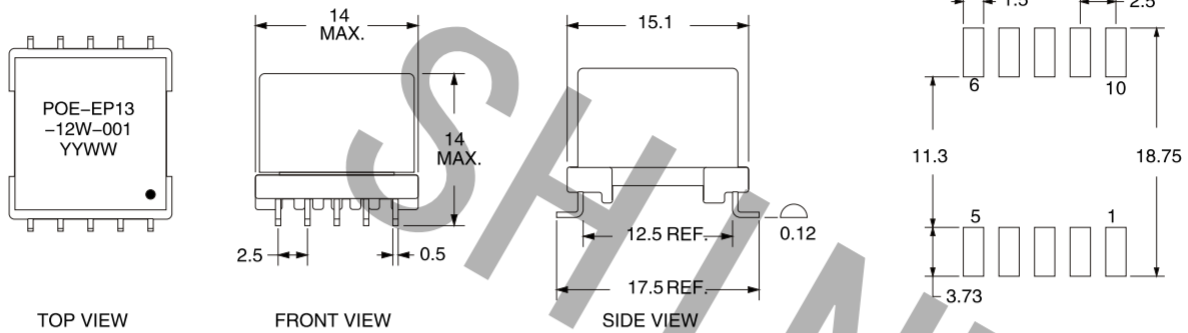
Part Number	Primary Inductance		Leakage Inductance		DCR		Turns ratio		Input Voltage Switching Frequency	Main Output
POE-EP13-12W-001	(1-2) @ 100 kHz / 0.1 V	133uH ± 7%	(1-2) w/ (3,4,6,7,10) shorted @ 250 kHz / 0.1V	1.3uH max	(1-2) (3-4) (6-7) (7-10)	340mΩ max 250mΩ max 150mΩ max 8mΩ max	(1-2 : 3-4) (1-2 : 7-10) (1-2 : 6-7)	2.77 ± 3%:1 9 ± 3%:1 4.5 ± 3%:1	36 V – 57 V 200 kHz	3.3 V 3.3 A
POE-EP13-25W-001	(1-2) @ 100 kHz / 0.1 V	100uH ± 10%	(1-2) w/ (4,5,6,7,9,10) shorted @ 100 kHz / 0.1 V	0.55uH max	(1-2) (4-5) (6,7-9,10)	116mΩ max 163mΩ max 6mΩ max	(1-2:4-5) (1-2:6,7-9,10)	1.82 ± 3%:1 4 ± 3%:1	33 V – 57 V 250 kHz	5 V 5 A
① POE-EPA13-12W-001	(1-2) @ 1 kHz / 0.5 V	150uH ± 7%	(1-2) w/ (3,4,6,7,8,9,10) shorted @ 250 kHz / 0.5 V	1.0uH max	(1-2) (3-4) (6-7) (7,8-9,10)	166mΩ max 166mΩ max 68.5mΩ max 6.3mΩ max	(1-2:7,8-9,10) (1-2:3-4) (1-2:6-7)	6 ± 3%:1 2.66 ± 3%:1 6 ± 3%:1	36 V – 57 V 200 kHz	5 V 2.4 A
① POE-EPA13-12W-002	(3-4) @ 100 kHz / 0.1 V	127uH ± 10%	(3-4) w/ (1,2,7,8,9,10) shorted @ 250 kHz / 0.1 V	0.65uH max	(3-4) (2-1) (7-9) (8-10)	170mΩ max 100mΩ max 65mΩ max 65mΩ max	(3-4:2-1) (3-4:7-9) (3-4:8-10)	2 ± 3%:1 2 ± 3%:1 2 ± 3%:1	36 V – 72 V 250 kHz	12 V 1.08 A
POE-EPA13-25W-001	(1-2) @ 1 kHz / 0.5 V	65uH ± 7%	(1-2) w/ (3,4,6,7,8,9,10) shorted @ 250 kHz / 0.5 V	0.85uH max	(1-2) (3-4) (6-7) (7,8-9,10)	120mΩ max 80mΩ max 65mΩ max 5.5mΩ max	(1-2:7,8-9,10) (1-2:3-4) (1-2:6-7)	6 ± 3%:1 2.57 ± 3%:1 6 ± 3%:1	36 V – 57 V 200 kHz	5 V 5 A
① POE-EPA13-25W-002	(1-3) @ 100 kHz / 0.1 V	80uH ± 7%	(1-3) @ 100 kHz / 0.1 V w/ (4,5,6,7,9,10) shorted	1.0uH max	(1-3) (4-5) (7,6-10,9) w/ (6,7,9,10) shorted	140mΩ max 195mΩ max 22mΩ max	(1-3:4-5) (1-3:7,6-10,9) w/ (6,7,9,10) shorted	2.375 ± 3%:1 3.166 ± 3%:1	36 V – 57 V 220 kHz	12 V 2.1 A
① POE-EPA13-30W-001	(1-3) @ 100 kHz / 0.1 V	70uH ± 10%	(1-3) w/ (6,7,9,10) shorted @ 100 kHz / 0.1 V	1.4uH max	(1-3) (4-5) (6,7-9,10) w/ (6,7,9,10) shorted	93mΩ max 166mΩ max 4.45mΩ max	(1-3:4-5) (1-3:6,7-9,10) w/ (6,7,9,10) shorted	3.14 ± 3%:1 7.33 ± 3%:1	33 V – 57 V 200 kHz	5 V 6 A
② POE-EPA13-70W-001	(1-3) @ 100 kHz / 0.1 V	100uH ± 15%	(1-3) w/ (4,5,6,7,9,10) shorted @ 100 kHz / 0.1 V	0.22uH max	(1-3) (1-2) (4-5) (6-9) (7-10)	33mΩ max 221mΩ max 135mΩ max 6.6mΩ max 6.6mΩ max	(1-3:1-2) (1-3:4-5) (1-3:6-9) (1-3:7-10)	1 ± 3%:1 1.43 ± 3%:1 3.33 ± 3%:1 3.33 ± 3%:1	41 V – 57 V 200 kHz	5 V 14 A
② POE-EPA13-72W-001	(1-3) @ 100 kHz / 0.1 V	100uH ± 12%	(1-3) w/ (4,5,6,7,9,10) shorted @ 100 kHz / 0.1 V	0.24uH max	(1-3) (1-2) (4-5) (6-9) (7-10)	49mΩ max 240mΩ max 302mΩ max 36mΩ max 34mΩ max	(1-3:1-2) (1-3:4-5) (1-3:6-9) (1-3:7-10)	1 ± 3%:1 1.33 ± 3%:1 1.5 ± 3%:1 1.5 ± 3%:1	41 V – 57 V 200 kHz	12 V 6 A

Hi-Pot(Pri-Sec).....1500 Vac (60 Hz / 2 sec / 1 mA)
 Operating Temperature.....-40 °C to +105 °C
 Operating Temperature ①-40 °C to +125 °C
 Operating Temperature ②-40 °C to +165 °C

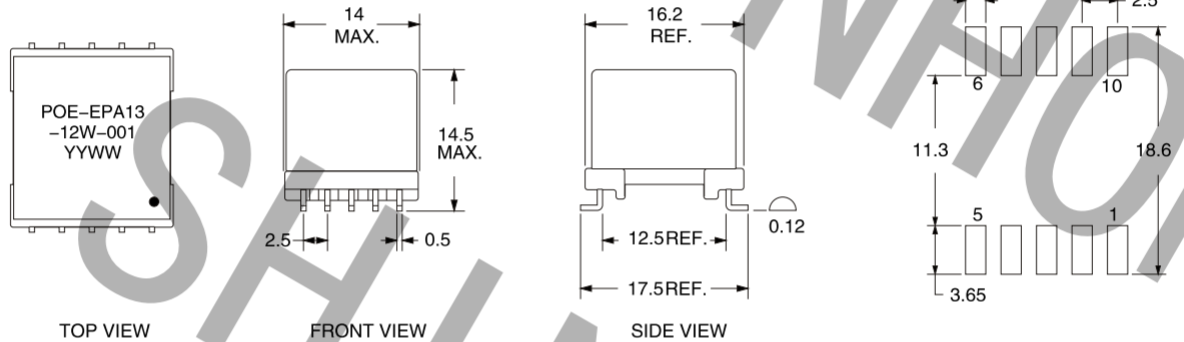
PHYSICAL CHARACTERISTICS:(mm)

LAYOUT:

POE-EP13

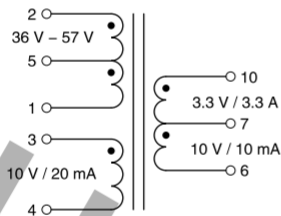


POE-EP13A

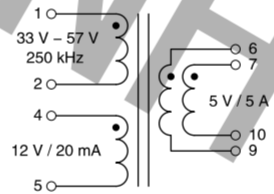


ELECTRICAL SCHEMATIC:

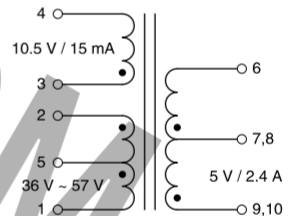
POE-EP13-12W-001



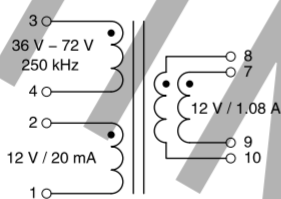
POE-EP13-25W-001



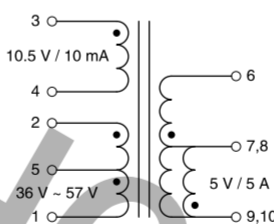
POE-EPA13-12W-001



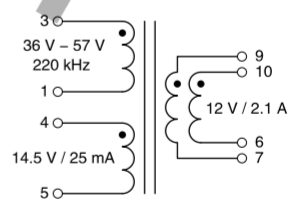
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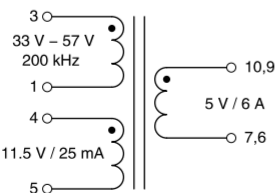
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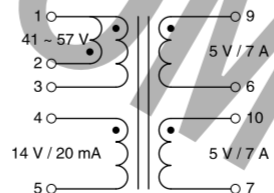
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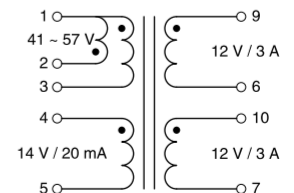
POE-EPA13-30W-001



POE-EPA13-70W-001



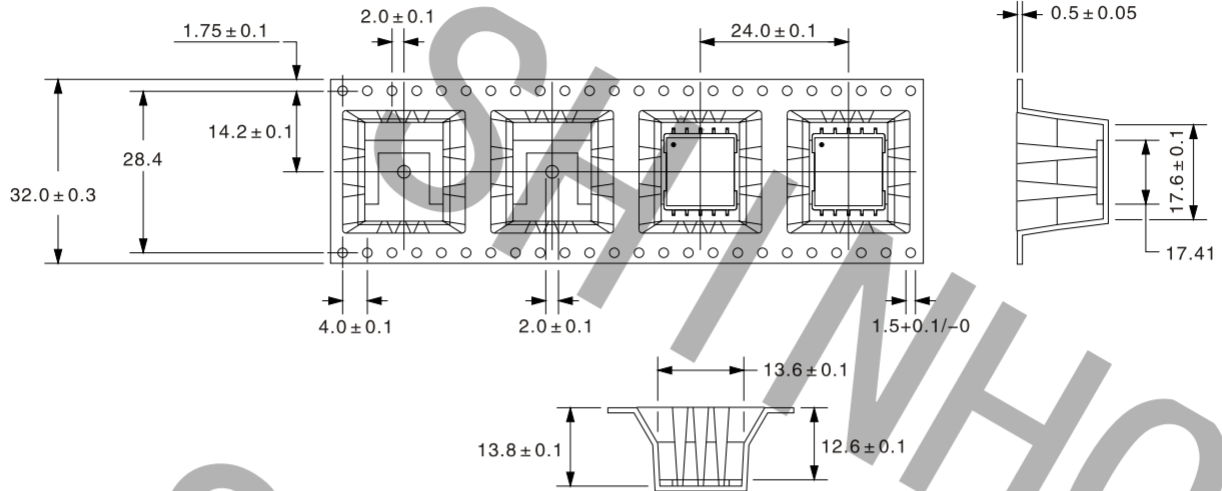
POE-EPA13-72W-001



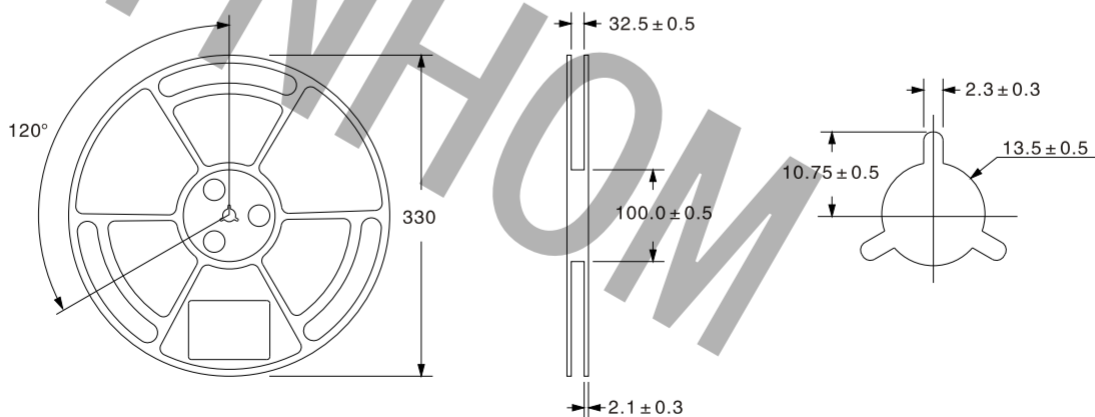
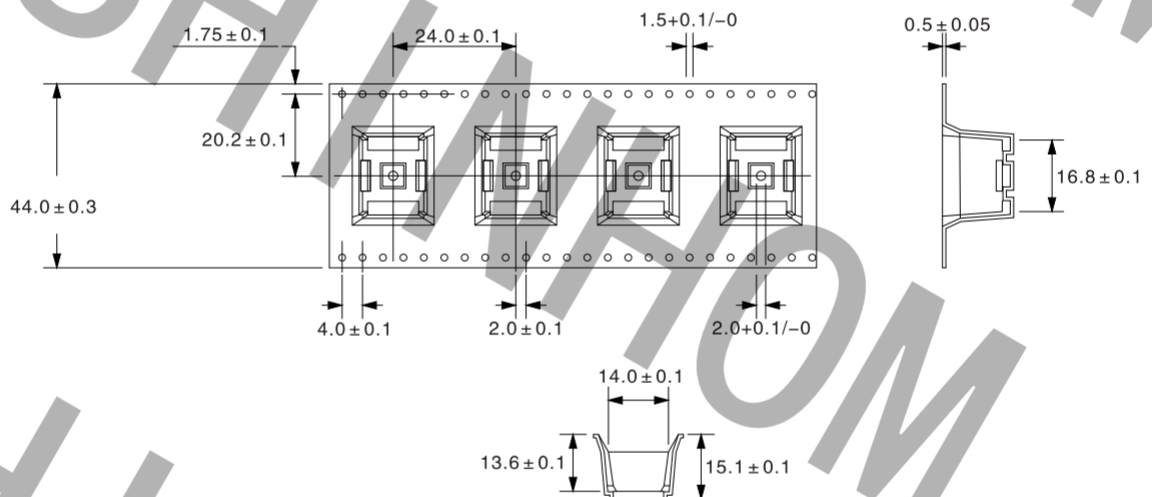
Secondary winding to be connected in parallel on PC board.

PACKAGING SPECIFICATIONS:(mm)

POE-EP13 180 pcs./reel, 3 reels/carton, 540 purchase.

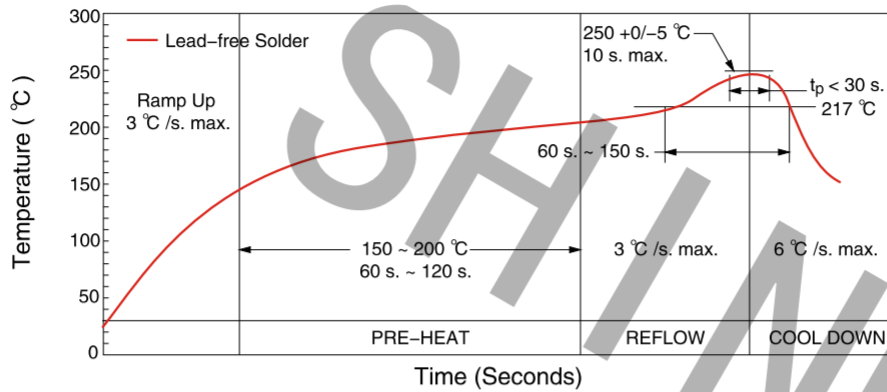


POE-EP13A 150 pcs./reel, 2 reels/carton, 300 purchase.



SOLDERING PROFILE:

The duration from room temperature (25 °C) to peak temperature is 8 minutes maximum.

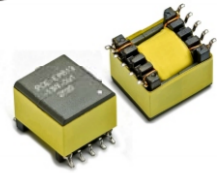


POE FLYBACK TRANSFORMERS

POE-EPB13-13W-001

Features

- 13 W PoE
- 1.5 kVrms isolation voltage
- Supports IEEE 802.3af compliant, integrated PoE PD and PWM controllers
- UL 94V-0 rated bobbin
- UL 1446 Class B Insulation System
- RoHS compliant

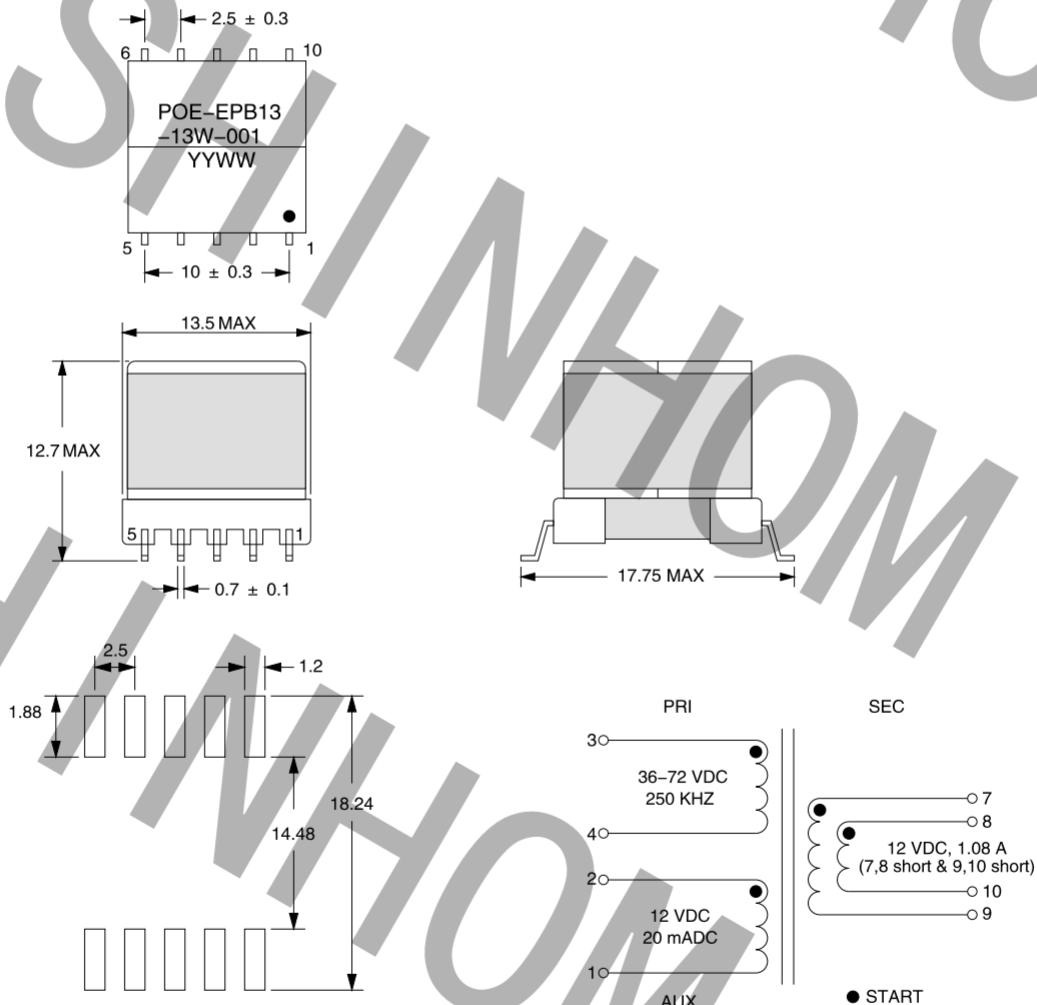


ELECTRICAL CHARACTERISTICS:@25°C

Part No.	L(3-4) ± 10% @250KHz,0.1V	DCR(m Ω)Max			Turn ratio ± 3% (3-4):(2-1) :(7-9):(8-10)	Input	Output
		3-4	2-1	7,8-9,10			
POE-EPB13-13W-001	127uH	199	308	33	1 : 0.5 : 0.5 : 0.5	36-72Vdc 250KHz	12Vdc@1.08A

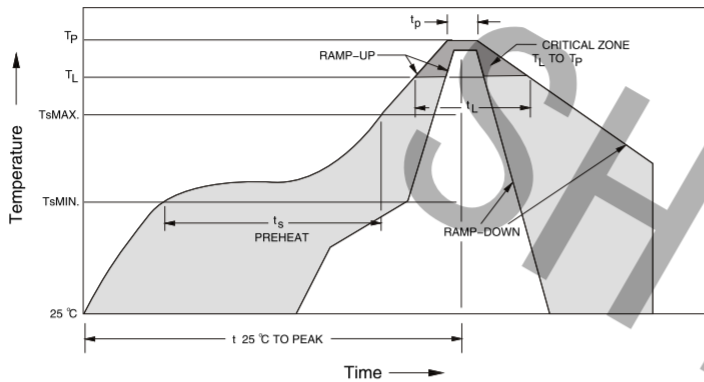
PHYSICAL CHARACTERISTICS:(mm)

LAYOUT:



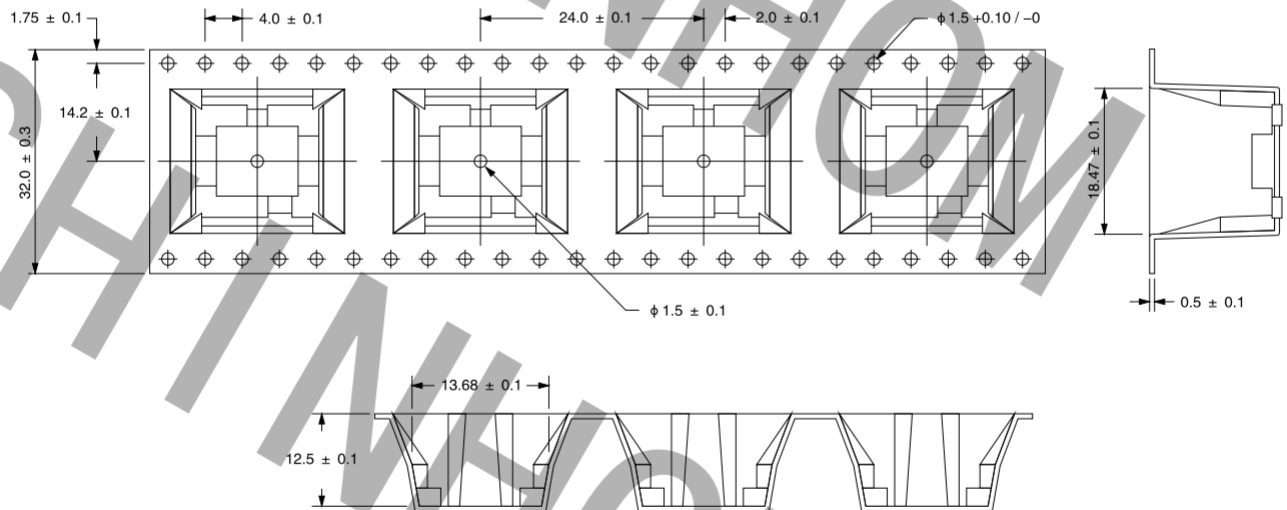
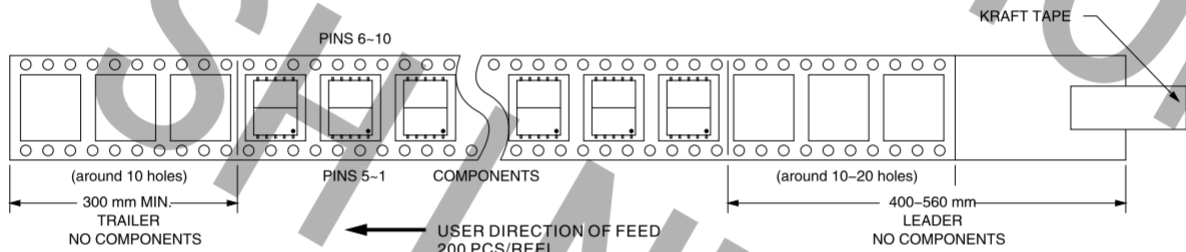
Primary (3-4) Leakage Inductance (250 kHz, 0.1 V Aux. Sec. shorted).....2.0uHMax.
 Hi-Pot.....1.5 kVac, 2 mA, 2 Sec.
 Pri/Sec.....0.5 kVAC, 2 mA, 2 Sec.
 Pri/Aux, Pri/core, Sec/core.....-40 °C to +125 °C (temperature rise included)
 Operating Temperature.....-40 °C to +125 °C (Component)
 Storage Temperature.....-40 °C to +125 °C (Component)

SOLDERING PROFILE:



Ramp-up rate = 3 °C /sec. max.
 Ramp-down rate = 6 °C /sec. max.
 TL = 217 °C tL = 60-150 sec.
 TP = 245 °C ± 5 °C
 Time within 5 °C of actual Peak Temp (tp) = 20-40 sec.
 Ts min = 150 °C Ts max = 200 °C
 Ts min to Ts max = 60-180 sec., 25 °C to Peak Temperature = 6 min. max.

PACKAGING SPECIFICATIONS:(mm)



Packaging..... 200 pcs. per 13-inch reel

FLYBACK TRANSFORMERS

STEP7-0421

Features

- 4.5 to 60 V input voltage
- 6 to 28 V output voltage
- 2.2 kV isolation voltage
- Isolation type: Basic creepage and clearance >3 mm
- RoHS compliant

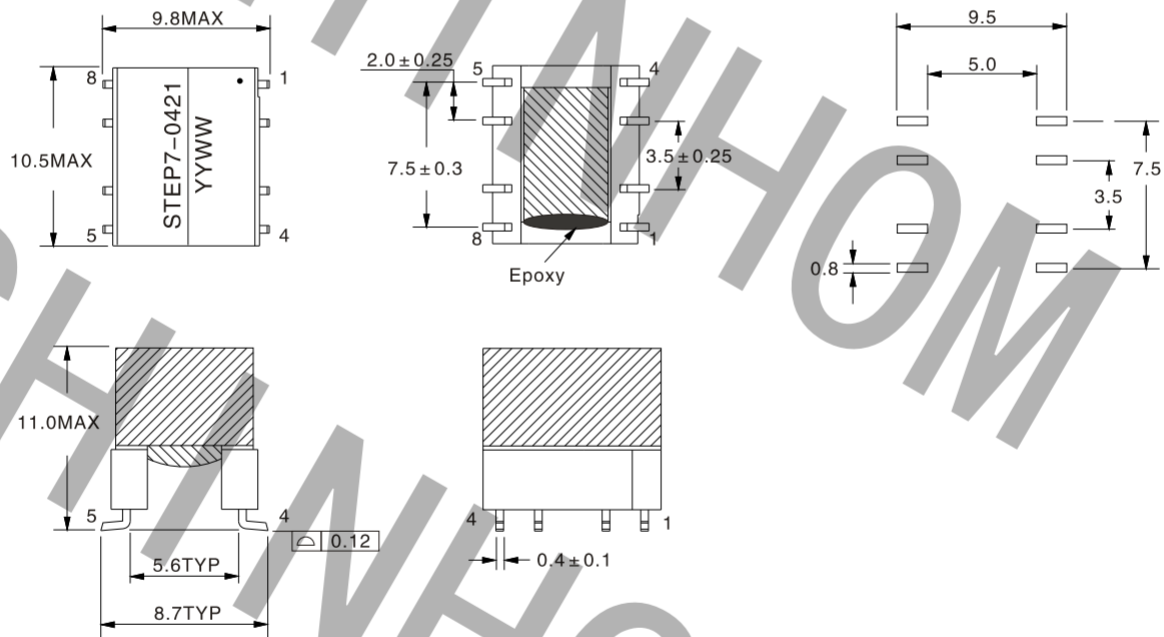


ELECTRICAL CHARACTERISTICS:@25°C

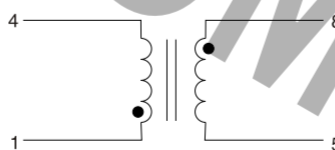
L(Pin1-4) @250 kHz, 1V		270uH $\pm$ 20%
DC Bias(Pin1-4) @250kHz, 1V ,DC0.4A		L0A*90% min
Leakage Inductance(Pin 1-4) @250kHz, 1V with 8-5 short		8.5uH max.
DCR	Pin 1-4	1.4 Ω max
	Pin 8-5	2.85 Ω max
Turns Ratio ($\pm$ 2 %) & Polarity@20 kHz, 1V Input Terminal (1-4)		(1-4): (8-5)= 1:1
Hi-Pot	PRI-SEC	2.2KVac 2.0 mA, 60 sec.
	PRI-CORE	0.6KVac 2.0 mA, 60 sec.
	SEC-CORE	0.6KVAC 2.0 mA, 60 sec.
Operating Temperature Range		-40 °C to +125 °C (including temperature rise)
Storage Temperature Range		-40 °C to +85 °C

PHYSICAL CHARACTERISTICS:(mm)

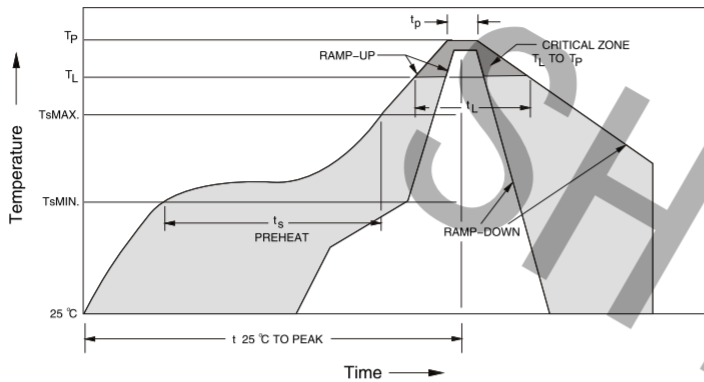
LAYOUT:



WINDING:

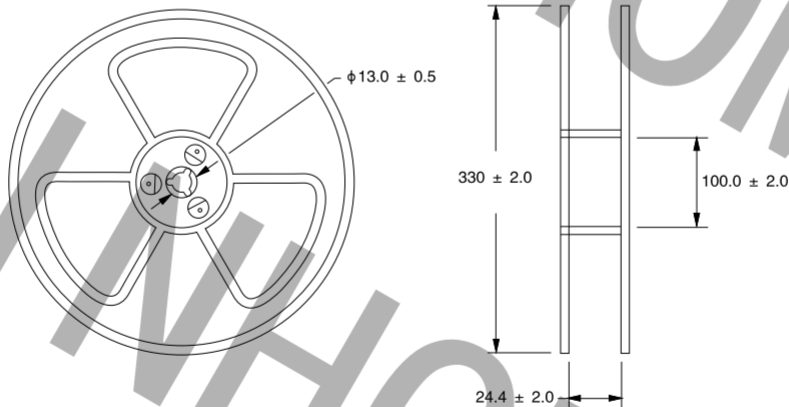
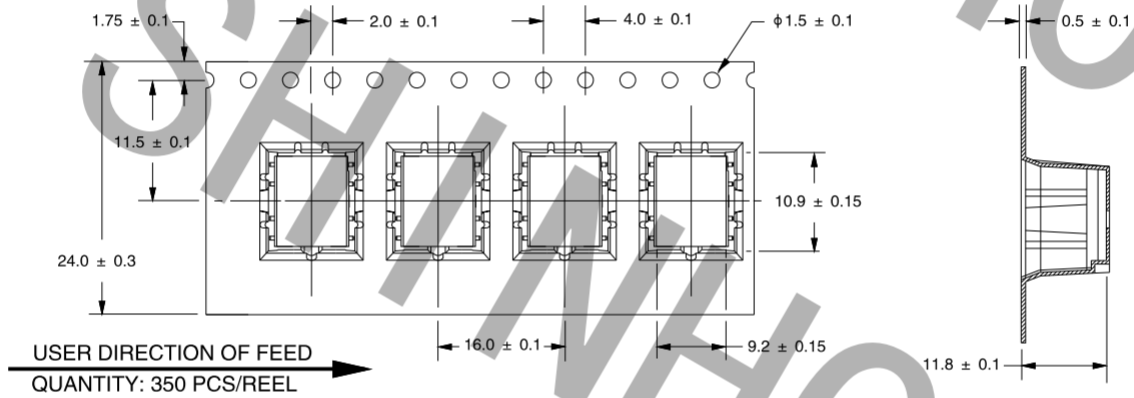


SOLDERING PROFILE:



Ramp-up rate = 3 °C /sec. max.
 Ramp-down rate = 6 °C /sec. max.
 $T_L = 217$ °C $t_L = 60-150$ sec.
 $T_p = 245$ °C ± 5 °C
 Time within 5 °C of actual Peak Temp (t_p) = 20-40 sec.
 $T_{smin} = 150$ °C $T_{smax} = 200$ °C
 T_{smin} to $T_{smax} = 60-180$ sec., 25 °C to Peak Temperature = 6 min. max.

PACKAGING SPECIFICATIONS:(mm)



SMT POWER TRANSFORMERS STEP13 SERIES

Features

- IEC60950 Compatible
- Transformers for PoE applications.
- Surface Mount Device Providing Compact Footprint
- 1500Vrms isolation from primary and bias to second or primary to second
- Operating temperature range(Including self temperature rise):-40°C to +125°C
- RoHS compliant

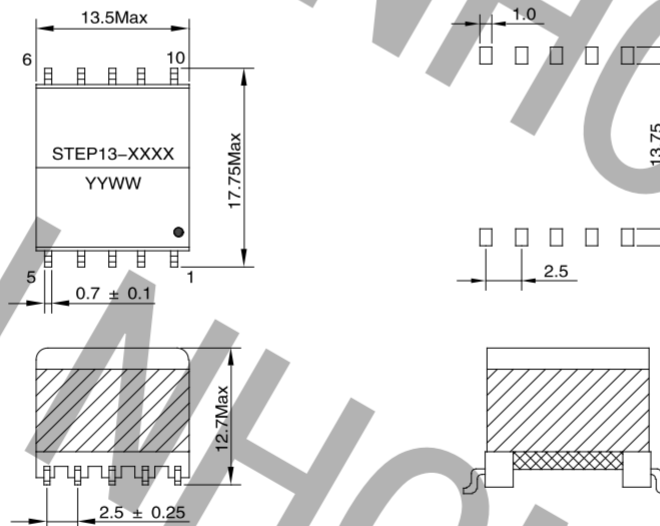


ELECTRICAL CHARACTERISTICS:@25°C

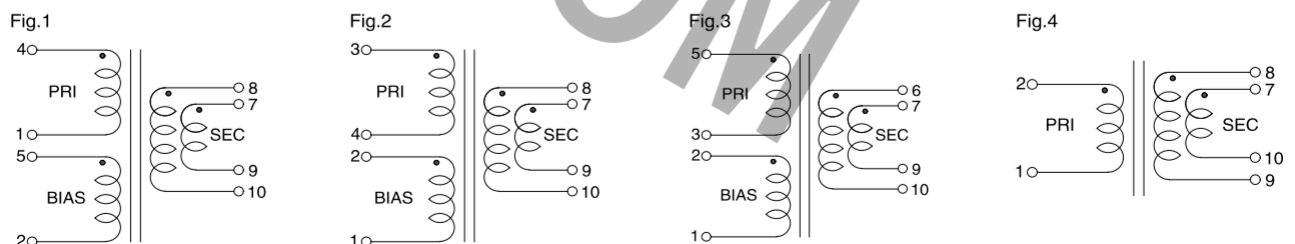
Part No. STEP13	Power (W)	Turns ratio		Output		OCL(uH) @200KHz,0.1V		OCL(uH) @250KHz,0.1V		LK(uH) @200KHz 0.1V	LK(uH) @250KHz 0.1V	DCR(mΩ Max)			Schema -tics
		Pri : Sec	Pri : Bias	Sec	Bias	@0A	@2A	@0A	@1A	Pri Short others	Pri Short others	Pri	Sec	Bias	
-2031	11	6:1	6:2	3.3V,3.3A	8V,20mA	115.5±10%	/	/	/	0.65Max	/	330	11	460	Fig.1
-3231	13.5	8:1	8:1.67	5V,2.7A	8V,20mA	127±10%	/	/	/	7.5Max	/	460	12	94	Fig.2
-0681	13.5	3.43:1	3.43:0.71	12V,1.13A	8V,20mA	127±10%	/	/	/	7.5Max	/	460	55	94	Fig.2
-2961	13	1:0.166	1:0.5	3.3V,4A	12V,20mA	/	/	127±10%	114Min	/	1.25Max	225	24	310	Fig.2
-2871	13	1:0.25	1:0.5	5V,2.6A	12V,20mA	/	/	127±10%	114Min	/	0.95Max	225	39	348	Fig.2
-0211	13	1:0.5	1:0.5	12V,1.08A	12V,20mA	/	/	127±10%	114Min	/	0.65Max	199	65	308	Fig.2
-4321	13	1:0.5	1:0.567	19.5V,0.67A	12V,20mA	/	/	127±10%	114Min	/	0.8Max	290	66	355	Fig.2
-2981	13	1:0.667	1:0.5	24V,0.54A	12V,20mA	/	/	127±10%	114Min	/	0.6Max	255	67	315	Fig.2
-0901	25	5:1	5:2.5	5V,5A	12V,30mA	/	/	37±10%	/	/	0.75Max	89	6.2	84	Fig.3
-1291	25	2:1	2:1.1	12V,2.1A	12V,30mA	/	/	37±10%	/	/	0.75Max	89	29	96	Fig.3
-0861	15	1:2	N/A	12V,1.25A	/	40±10%	36Min	/	/	0.566Max	/	100	155	/	Fig.4
-0921	15	5:2	N/A	5V,3A	/	40±10%	36Min	/	/	0.621Max	/	108	40	/	Fig.4
-4961	15	13:4	N/A	3.3V,4.5A	/	40±10%	36Min	/	/	1.0Max	/	100	13	/	Fig.4

PHYSICAL CHARACTERISTICS:(mm)

LAYOUT:



ELECTRICAL SCHEMATIC:



POE Flat Transformer

Feature

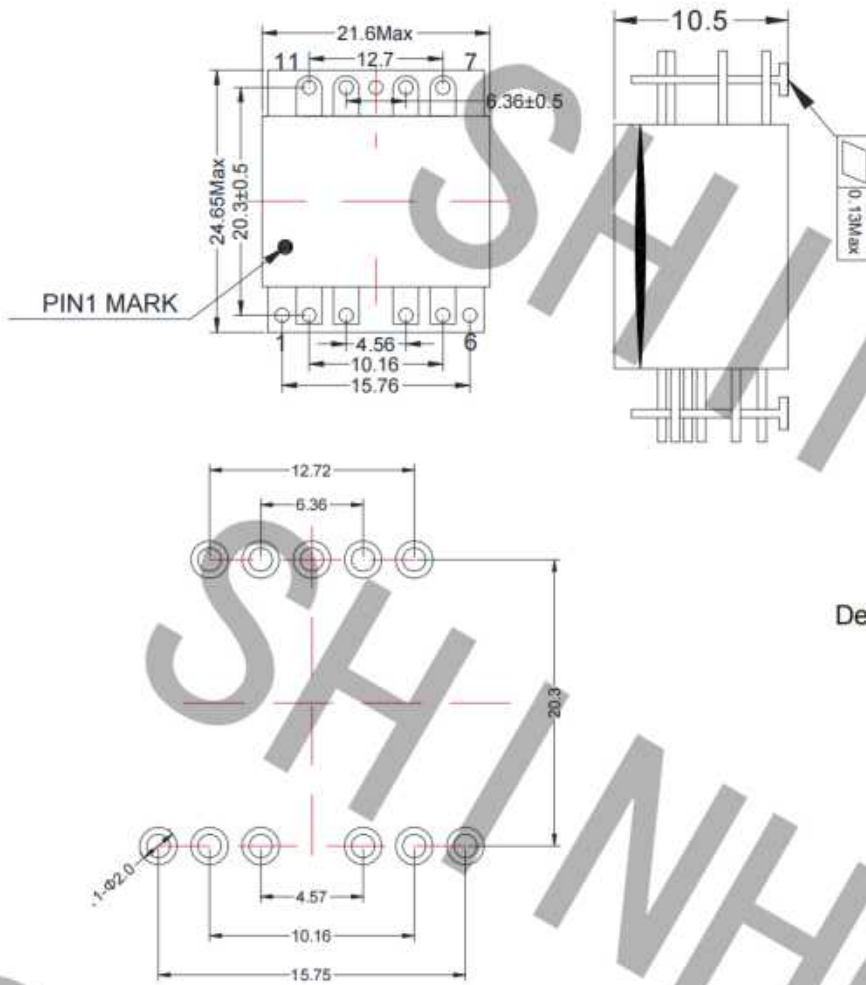
- Power range:150W input voltage 36V~57V.
- Topology:Forward converter .Half/full bridge.Active clamp
- Switching frequency:200kHz to 700kHz optimized .
- Isolation voltage:1500VDC .
- Operating temp:-40°C to 125°C.
- Low profile hight of:10.5mm(adjustable).
- Lead free and ROHS compliant.
- Applications:POE Power、IP phone、Surveillance camera、Wireless AP、 LOT.

Electrical Specifications @25°C

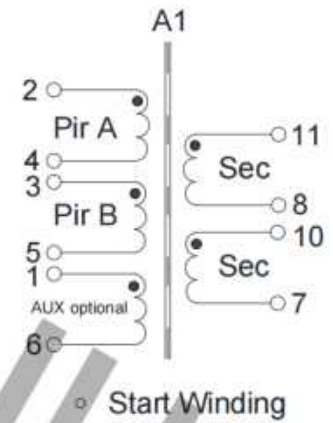
Part number	Turns				OCL(μH) @100KHz, 1V	LK(μH) @100KHz, 1V	DCR(mΩ Max)			Schematic
	Pri A	Pri B	AUX	Secondary	2-5(3+4)	2-5(3+4) (short 1+6+7+8+10+11)		Pri B	Secondary	
POE-TP65-										A1
116	4Ts	4Ts	5Ts	4Ts&4Ts	153MIN	0.80	5.50	5.50	1.1&1.1	A1
117	4Ts	5Ts	4Ts	4Ts&4Ts	194MIN	0.55	5.50	9.50	9.5&9.5	A1
118	5Ts	6Ts	4Ts	1Ts&1Ts	290MIN	0.60	12.5	14.2	9.5&9.5	A1
119	6Ts	6Ts	5Ts	1Ts&1Ts	345MIN	0.65	14.2	14.2	9.5&9.5	A1
120	4Ts	5Ts	5Ts	1Ts&1Ts	194MIN	0.80	8.50	12.5	1.0&1.0	A1
121	5Ts	6Ts	5Ts	2Ts&1Ts	290MIN	1.20	12.5	14.2	1.0&1.0	A1
122	6Ts	6Ts	5Ts	2Ts&1Ts	345MIN	1.20	14.2	14.2	1.0&1.0	A1
123	4Ts	4Ts	4Ts	2Ts&1Ts	153MIN	0.45	8.50	8.50	2.0&1.2	A1
124	4Ts	5Ts	5Ts	2Ts&1Ts	194MIN	0.55	8.50	12.5	2.0&1.2	A1
125	5Ts	5Ts	5Ts	2Ts&1Ts	240MIN	0.55	12.5	12.5	2.0&1.2	A1
126	5Ts	6Ts	5Ts	2Ts&1Ts	290MIN	0.85	12.5	12.5	2.0&1.2	A1
127	6Ts	6Ts	5Ts	2Ts&1Ts	345MIN	0.85	14.2	14.2	2.0&1.2	A1

* Packing :this mark is used generally unless specified customer.

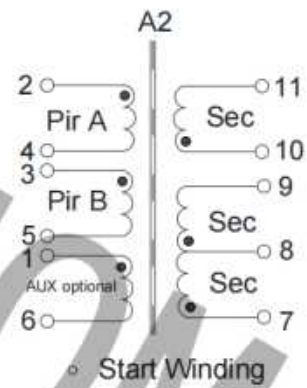
1.Appearance dimensions(mm):



Schematics:



Description: When using Pin3-4 short



SUGGESTED PAD LAYOUT

Unless otherwise specified all to tolerances are:±0.3mm

POE Flat Transformer

Feature

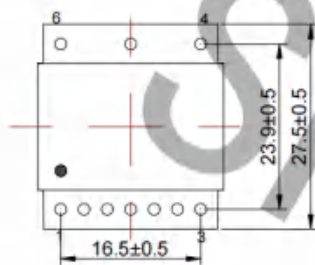
- ROHS Compatible(ROHS6).
- Termination finished:Sn-0.7Cu.
- Storage temperature range:-40℃ to +125℃ .
- Operating temperature range (Including self temperature rise):-40℃ to +125℃.

Electrical Specifications @25℃

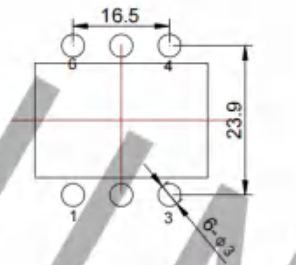
Part Number	Turns Ratio(±3%)	OCL(μH±20%) @100KHz, 1V	LK(μH max) @100KHz, 1V	DCR(mΩ Max)				HI-POT(VDC)		
				1-2	2-3	4-5	5-6	Pri-Sec	Pri-Core	Sec-Core
POE-TP65-	1-2-3: 4-5-6	1-2	1-3 (short 4-5-6)	1-2	2-3	4-5	5-6	1500V 60s 1mA	500V 60s 1mA	500V 60s 1mA
128	3:3:3:3	200	0.1	6.5	6.5	6.5	6.5			

* Packing :this mark is used generally unless specified customer.

1. Appearance dimensions(mm):

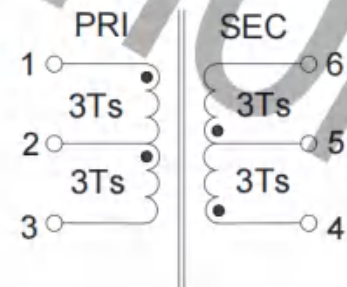


Top View



Recommended Pad layout

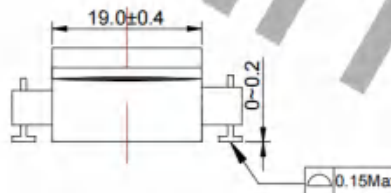
2. Schematics:



● Start Winding



Front View



Side View

Unless otherwise specified all tolerances are:±0.25mm

POE Flat Transformer

Feature

- Surface Mount Device.
- Storage temperature range:-40℃ to +125℃ .
- Operating temperature range (Including self temperature rise):-40℃ to +125℃.

Application

Output Power(W)	Work Frequency(KHz)	Circuit topology	Input Voltage(V)	Output Voltage(V)	Output Current(A)
120	100	Forward with	20-60	12	10

Electrical Specifications @25℃

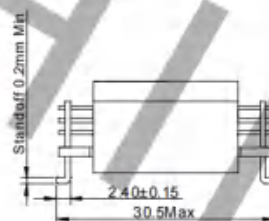
Part Number	Turns Ratio(±3%)	OCL(μH ±20%) @100KHz, 1V	LK(μH max) @100KHz, 1V	DCR(mΩ Max)			HI-POT(Vrms)		
	N1:N2:Aux	3-5	3-5(short 1,2,8,10)	3-5	8-10	1-2	Pri-Sec	Pri-Core	Sec-Core
POE-TP65-129	6:6:5	80-150	0.5	5.5	5.0	700	1500V 6s 2mA	500V 6s 2mA	500V 6s 2mA

* Packing :this mark is used generally unless specified customer.

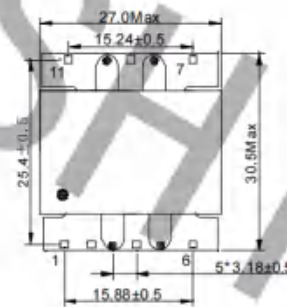
1.Appearance dimensions(mm):



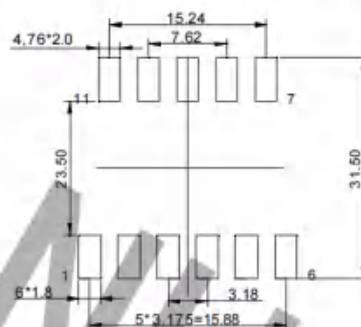
Front View



Slide View

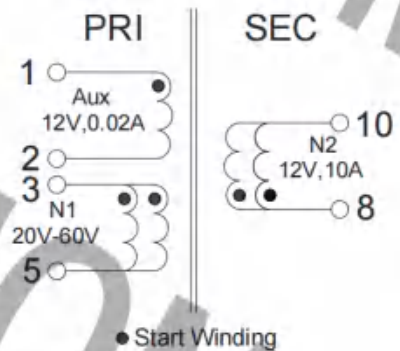


Top View



Recommended Pad layout

Schematics:



Unless otherwise specified all tolerances are:±0.25mm

POE Flat Transformer

Feature

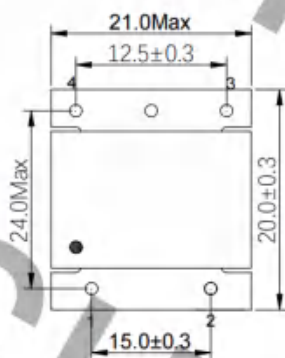
- IEC60950 Compliant.
- ROHS Compliant.
- Surface Mount Device .
- Operating temperature range (Including self temperature rise):-40°C to +125°C.

Application							
Output Power(W)	Work Frequency(KHz)	Circuit topology	Input Voltage(V)	Output Voltage(V)	Output Current(A)		
50	200	Forward with active clamp	48	5	10		
Electrical Specifications @25°C							
Part Number	Turns Ratio(±3%)	OCL(μH±20%) @100KHz, 1V	LK(μH max) @100KHz, 1V	DCR(mΩ Max)			HI-POT(Vrms)
	1-2: 4-3	1-2	1-2 (short other pins)	1-2	4-3	/	Pri-Sec
POE-TP65-130	8: 2	120	0.35	30	2.0	/	1500Vdc

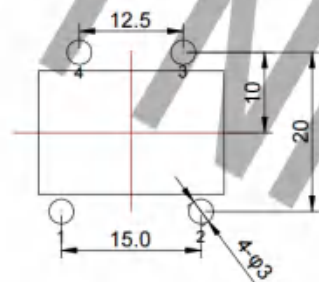
* Packing :this mark is used generally unless specified customer.

1.Appearance dimensions(mm):

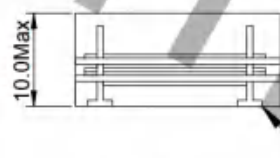
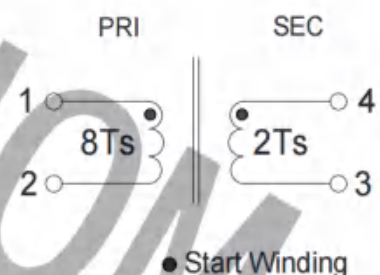
2. Schematics:



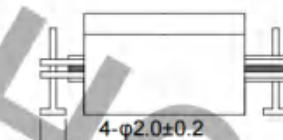
Top View



Recommended Pad layout



Front View



Side View

Unless otherwise specified all tolerances are:±0.25mm