

# SMT POWER TRANSFORMERS STEP13 SERIES



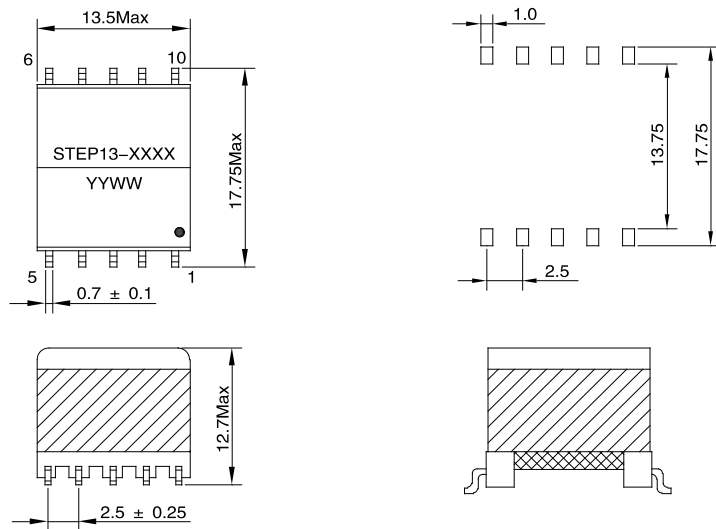
## Features

- 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(μH) @200KHz,0.1V		OCL(μH) @250KHz,0.1V		LK(μH) @200KHz 0.1V	LK(μH) @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:

