

POWER OVER ETHERNET TRANSFORMERS 以太网电源变压器 POE 系列

FEATURES

- Developed for Powered Devices (PD) in IEEE 802.3af compliant PoE applications.
- Designed to operate in continuous mode.
- 36–72 V input with versions for 13 Watt output.
- Bias winding output: 12 V, 20 mA.
- 250 kHz switching frequency.

APPLICATIONS

- POE13F Flyback Transformers for Power over Ethernet.

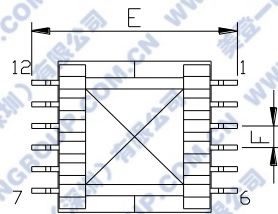
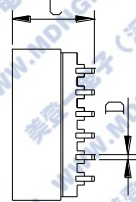
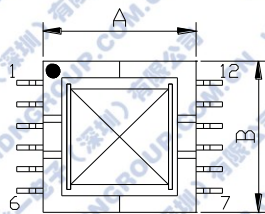
特 征

- 专为符合 IEEE 802.3af 的 PoE 应用中的受电设备 (PD) 开发;
- 设计用于连续模式;
- 36 – 72 V 输入, 13 瓦输出的版本;
- 偏置绕组输出: 12 V, 20 mA;
- 250 kHz 开关频率;

用 途

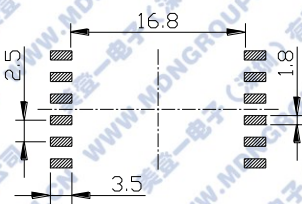
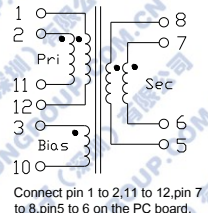
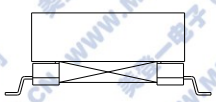
- 适用于以太网供电。

DIMENSIONS AND LAND PATTERNS(mm)



SCHEMATICS

LAND PATTERN



A ±0.8	B max	C max
15.0	17.2	8.5
D ±0.2	E max	F ±0.2
0.70	22.0	2.5

SPECIFICATION

P/N	L (uH) ± 10%	Lk (uH) Max	DCR(Ω)Max			Turns ratio		Ipk (A)	Output
			Pri	Bias	Sec	Pri:Sec	Pri:Bias		
POE13F-18L	45	7.9	0.195	0.195	0.005	1:0.07	1:0.36	2.3	1.8V,7.2A
POE13F-25L	35	4.2	0.095	0.150	0.005	1:0.08	1:0.33	2.2	2.5V,5.2A
POE13F-33L	40	3.4	0.138	0.180	0.007	1:0.11	1:0.36	2.2	3.3V,3.9A
POE13F-50L	40	1.9	0.130	0.165	0.009	1:0.15	1:0.35	2.1	5.0V,2.6A
POE13F-12L	35	0.6	0.095	0.150	0.017	1:0.35	1:0.35	2.0	12V,1.1A
POE13F-19L	37	0.4	0.085	0.150	0.025	1:0.57	1:0.35	2.0	19.5V,0.67A
POE13F-24L	37	0.4	0.086	0.150	0.049	1:0.67	1:0.33	2.0	24V,0.54A

Remark:1. Inductance is for the primary, measured at 250KHz,0.3V,0 Adc.

2. Ipk is peak primary current drawn at minimum input voltage.

3. DCR for the primary and the secondary are with the windings connected in parallel.