

**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**

- POE13P Flyback Transformers for Power over Ethernet.

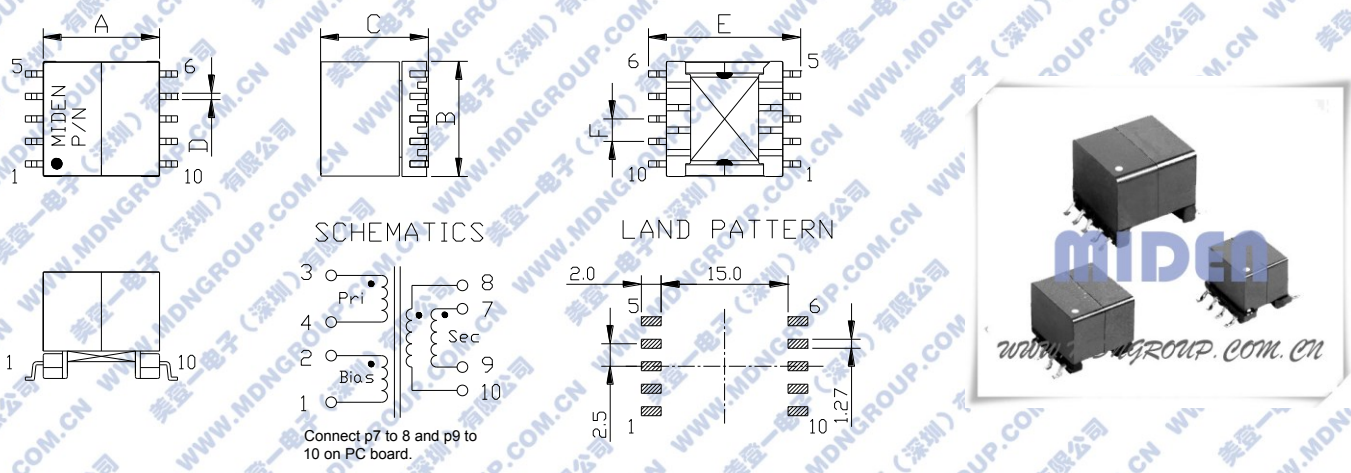
**特 征**

- 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)**



TYPE	A±0.5	B max	C max	D±0.2	E max	F±0.2
POE13P-	13.0	13.5	12.7	0.7	17.8	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		
POE13P-33L	127	1.25	0.255	0.310	0.024	1:0.166	1:0.50	1.0	3.3V,4.0A
POE13P-50L	127	0.95	0.222	0.348	0.039	1:0.25	1:0.50	1.0	5.0V,2.6A
POE13P-12L	127	0.65	0.199	0.308	0.065	1:0.50	1:0.50	1.0	12V,1.08A
POE13P-19L	127	0.80	0.290	0.355	0.066	1:0.567	1:0.50	1.0	19.5V,0.67A
POE13P-24L	127	0.60	0.255	0.315	0.067	1:0.667	1:0.50	1.0	24V,0.54A

Remark:1. Inductance is for the primary, measured at 250KHz, 0.1V, 0 Adc.  
 2. Ipk is peak primary current drawn at minimum input voltage.  
 3. DCR for the secondary is per winding.