

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

**FEATURES**

- Developed for Powered Devices (PD) in IEEE 802.3at compliant PoE+ applications.
- Designed to operate in continuous mode.
- 36–72 V input with versions for 30 Watt output.
- Auxiliary winding output: 12 V.
- 250 kHz switching frequency.

**APPLICATIONS**

- POE300F Flyback Transformers for Power over Ethernet.

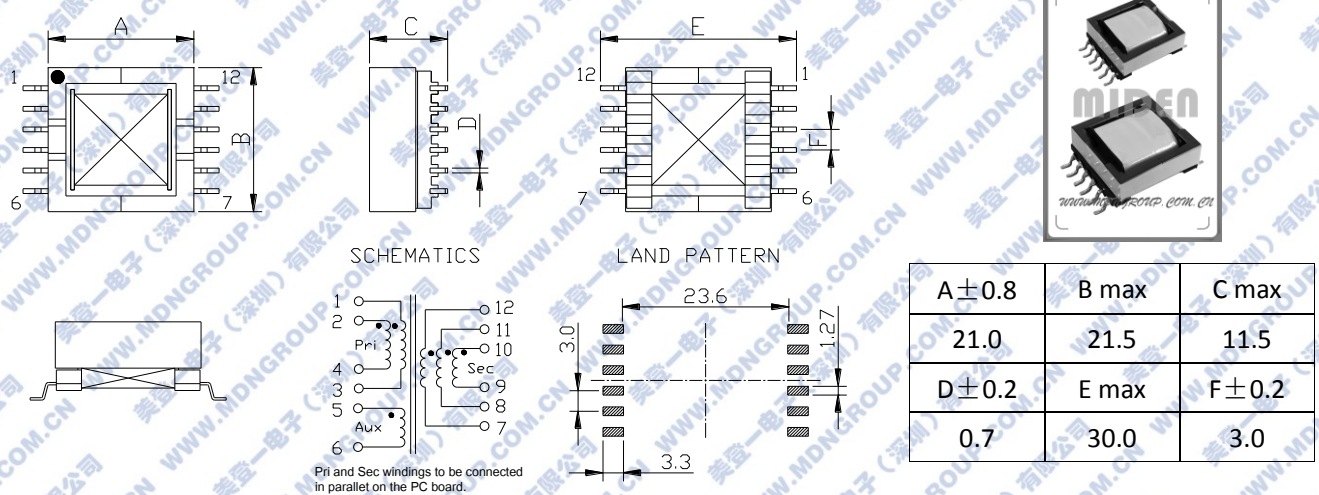
**特 征**

- 专为符合 IEEE 802.3at 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, 30 瓦输出的版本;
- 辅助绕组输出: 12 V;
- 250 kHz 开关频率。

**用 途**

- 适用于以太网供电。

**DIMENSIONS AND LAND PATTERNS(mm)**



**SPECIFICATION**

P/N	L (uH) ± 10%	Lk (uH) Max	DCR(m Ω)Max			Turns ratio		l <sub>pk</sub> (A)	Output
			Pri	Sec	Aux	Pri:Sec	Pri:Aux		
POE300F-33L	42	3.0	70	2.3	220	1:0.09	1:0.33	2.6	3.3V,9A
POE300F-50L	42	1.6	69	5.0	225	1:0.14	1:0.33	2.6	5V,6A
POE300F-12L	42	0.55	61	15	195	1:0.33	1:0.33	2.6	12V,2.5A
POE300F-19L	42	0.43	60	37	195	1:0.56	1:0.33	2.6	19.5V,1.5A
POE300F-24L	42	0.31	60	55	195	1:0.67	1:0.33	2.6	24V,1.25A

Remark:1. Inductance is for the primary ,measured at 250KHz,0.7V,0 Adc.  
 2.l<sub>pk</sub> is peak primary current drawn at minimum input voltage.  
 3.DCR for the secondary is measured with the windings connected in parallel.