

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.
- 33 – 57 V input with versions for 25 Watt output.
- Bias winding output: 12 V, 20 mA.
- 250 kHz switching frequency.

APPLICATIONS

- FCT1-xxM22SL Forward-Mode Transformers for Power over Ethernet.

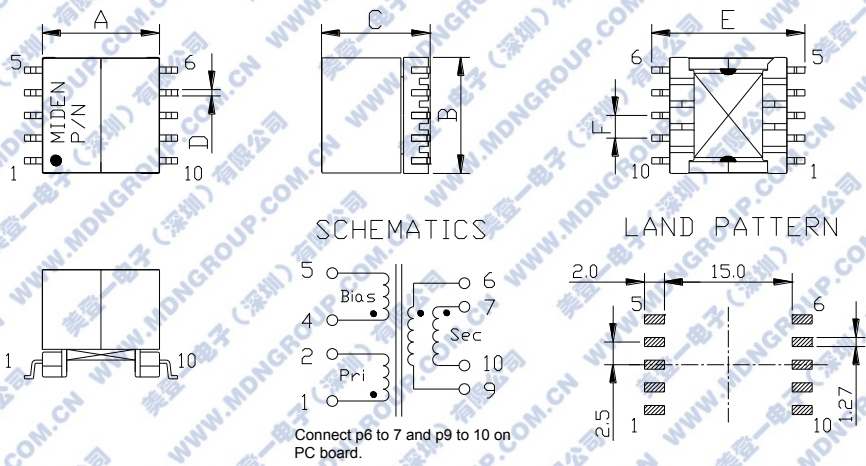
特 征

- 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;
- 33 – 57 V 输入, 25 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)



TYPE	A±0.5	B max	C max	D±0.2	E max	F±0.2
FCT1-	13.0	13.5	12.7	0.7	17.8	2.5

SPECIFICATION

P/N	L (uH) ±10%	Lk (uH) Max	DCR(mΩ)Max			Turns ratio		Power (W)	Output
			Pri	Sec	Bias	Pri:Sec	Pri:Bias		
FCT1-33M22SL	95	1.44	115	8	347	1:0.16	1:0.63	25	3.3V,7.2A
FCT1-50M22SL	95	0.88	144	18	298	1:0.25	1:0.53	25	5.0V,4.8A
FCT1-120M22SL	95	0.73	150	62.5	352	1:0.53	1:0.53	25	12V,2.0A

Remark:1. Inductance is for the primary ,measured at 250KHz,0.1V,0 Adc.
 2.lpk is peak primary current drawn at minimum input voltage.
 3.DCR for the secondary is measured with the windings connected in parallel.