

FLYBACK TRANSFORMERS 反激变压器

POE 系列

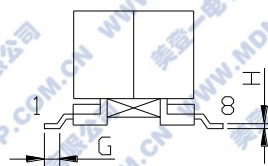
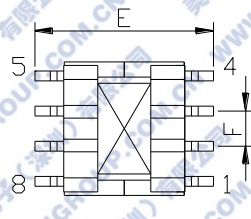
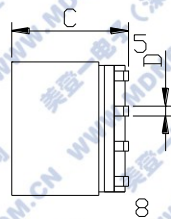
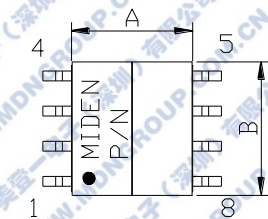
FEATURES

- 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 3 Watt, 7 Watt and 13 Watt output.
- Bias winding output: 12 V, 20 mA.
- 250 kHz switching frequency.
- POE13P – UL Certified per File E219588.

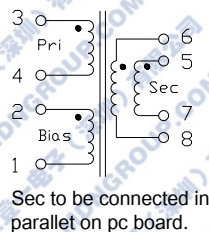
APPLICATIONS

- POExxP Flyback Transformers for Power over Ethernet.

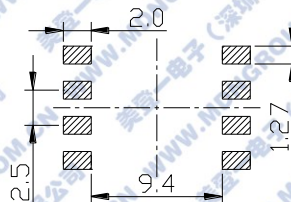
DIMENSIONS AND LAND PATTERNS(mm)



SCHEMATICS



LAND PATTERN



TYPE	A±0.5	B max	C max	D±0.2	E max	F±0.2	G Ref	H Ref
POE30P-	8.6	11.0	9.0	0.7	13.5	2.5	1.0	0.2

SPECIFICATION

P/N	L (uH) ± 10%	Lk (uH) Max	DCR(Ω)Max			Turns ratio		Power (W)	Output
			Pri	Bias	Sec	Pri:Sec	Pri:Bias		
POE30P-33L	310	4.75	1.02	2.01	0.066	1:0.19	1:0.70	3	3.3V,0.91A
POE30P-50L	310	4.50	1.02	2.01	0.118	1:0.28	1:0.70	3	5.0V,0.60A
POE30P-12L	310	4.25	1.04	2.01	0.700	1:0.7	1:0.70	3	12V,0.25A

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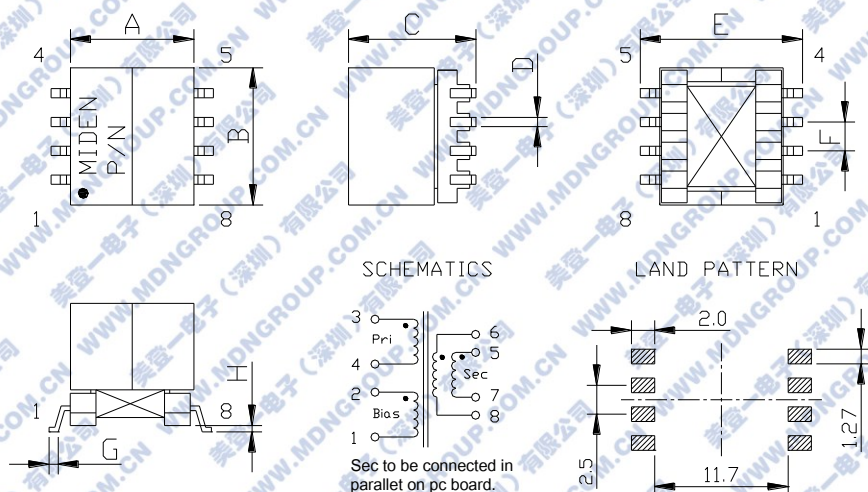
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APPLICATIONS

- POE Flyback Transformers for Power over Ethernet.

DIMENSIONS AND LAND PATTERNS(mm)



TYPE	A±0.5	B max	C max	D±0.2	E max	F±0.2	G Ref	H Ref
POE70P-	10.5	12.7	11.0	0.7	15.5	2.5	1.0	0.2

SPECIFICATION

P/N	L (uH) ±10%	Lk (uH) Max	DCR(Ω)Max			Turns ratio		Power (W)	Output
			Pri	Bias	Sec	Pri:Sec	Pri:Bias		
POE70P-33L	155	4.00	0.414	0.822	0.036	1:0.19	1:0.667	7	3.3V,2.12A
POE70P-50L	155	3.60	0.414	0.822	0.060	1:0.262	1:0.667	7	5.0V,1.4A
POE70P-12L	155	3.25	0.414	0.822	0.343	1:0.667	1:0.667	7	12V,0.6A

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, 具有 3 瓦, 7 瓦和 13 瓦输出的版本;
- 偏置绕组输出: 12 V, 20 mA;
- 250 kHz 开关频率;
- POE13P – 通过 File E219588 的 UL 认证。

用 途

- 适用于以太网供电。

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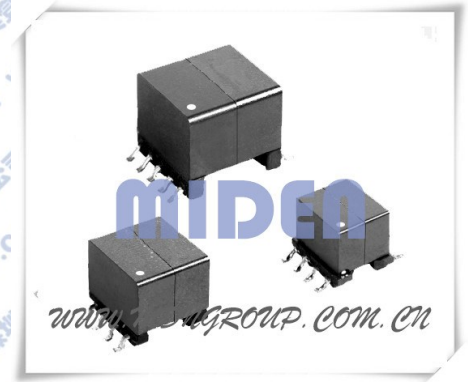
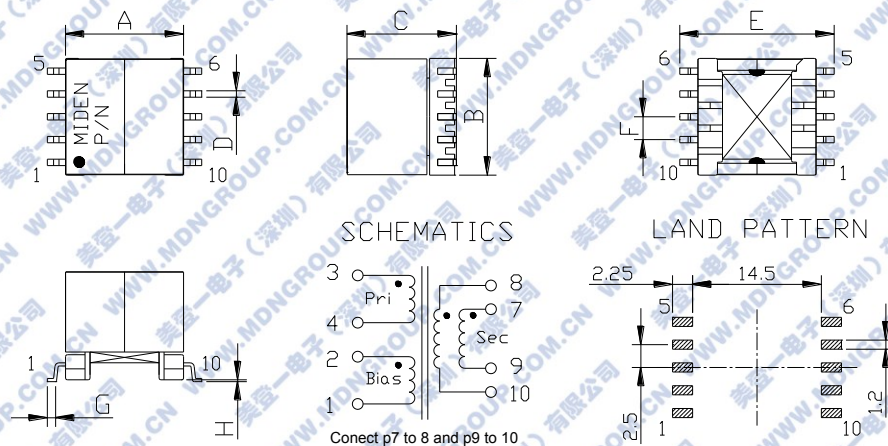
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DIMENSIONS AND LAND PATTERNS(mm)



TYPE	A±0.5	B max	C max	D±0.2	E max	F±0.2	G Ref	H Ref
POE13P-	13.0	13.5	12.7	0.7	17.8	2.5	1.0	0.2

SPECIFICATION

P/N	L (uH) ±10%	Lk (uH) Max	DCR(Ω)Max			Turns ratio		Power (W)	Output
			Pri	Bias	Sec	Pri:Sec	Pri:Bias		
POE13P-33L	127	1.25	0.255	0.310	0.024	1:0.166	1:0.5	13	3.3V,4.0A
POE13P-50L	127	0.95	0.222	0.348	0.039	1:0.25	1:0.5	13	5.0V,2.6A
POE13P-12L	127	0.65	0.199	0.308	0.065	1:0.50	1:0.5	13	12V,1.08A

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