NO-OPTO FLYBACK TRANSFORMERS 反激变压器 NOP 系列

FEATURES

- Small size,Low leakage inductance,Low DCR, High efficiency,Low cost.
- The "no-opto" flyback topology enables primary-side regulation by deriving the isolated output voltage directly from the primary-side flyback waveform. This provides an isolated flyback without the need for an extra transformer winding or opto coupler to provide feedback across the isolation barrier from secondary side to primary side.Without the feedback winding, transformers may be designed for optimal coupling, best efficiency, smallest size and lowest cost.

特 征

- 小尺寸，低漏感，低 DCR，高效率，低成本。
- “无光”反激式拓扑结构可通过直接从一次侧反激波形中导出隔离的输出电压来实现一次侧调节。这提供了隔离的反激，而无需额外的变压器绕组（或光耦合器）来提供隔离层从次级侧到初级侧的反馈。如果没有反馈绕组，则可以将变压器设计为实现最佳耦合，最佳效率，最小尺寸和最低成本。

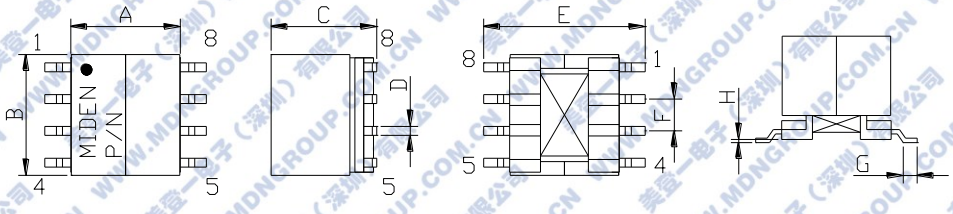
APPLICATIONS

- Compact Transformers for No-opto Flyback Topology.。

用 途

- 用于无光反激拓扑的紧凑型变压器。

DIMENSIONS AND LAND PATTERNS(mm)



备注：SCHMATIC 1 FOR YA8779; SCHEMATIC 2 FOR YA8916 / 8864.

A±0.5	B max	C max	D±0.2	E max	F±0.2	G Ref	H Ref
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	Sec1	Sec2	Pri:Sec1	Pri:Sec2		Sec1	Sec2
YA8779	30	0.380	0.14	0.013	-	1:0.33	-	6.0	5V,1.2A	-
YA8916	30	0.565	0.36	0.695	0.392	1:1	1:0.52	4.6	15V,0.2A	8V,0.2A
YA8864	30	0.295	0.18	0.680	0.180	1:1.5	1:0.40	3.5	20V,0.1A	5V,0.3A

REMARK: INPUT VOLTAGE IS 4.5-70V.