GATE DRIVE TRANSFORMERS 栅极驱动变压器 EPA4271GE-LF

FEATURES

- Gate drive transformers are used to deliver the controlling gate-voltage pulses between the drain and source of a MOSFET, while providing isolation between the MOSFET and the controlling drive circuit. Gate-driver circuits need an isolated (floating) bias supply to maintain the required turn-on bias when the FET source rises to the input voltage. A gate drive transformer isolates the controlling gate-drive circuit from the switch node when driving the MOSFET gate and may also scale the output voltage via an appropriate primary-to-secondary turns ratio.
- Operating Frequency: 50KHz and Up

特 征

- 栅极驱动变压器用于在 MOSFET 的漏极和源极之间传递控制栅极电压脉冲，同时在 MOSFET 和控制驱动电路之间提供隔离。栅极驱动电路需要一个隔离（浮动）偏置电源，以在 FET 源上升到输入电压时保持所需的导通偏置。栅极驱动变压器在驱动 MOSFET 栅极时将控制栅极驱动电路与开关节点隔离，并且还可以通过适当的一次到二次匝数比来缩放输出电压。
- 工作频率：50KHz 及以上

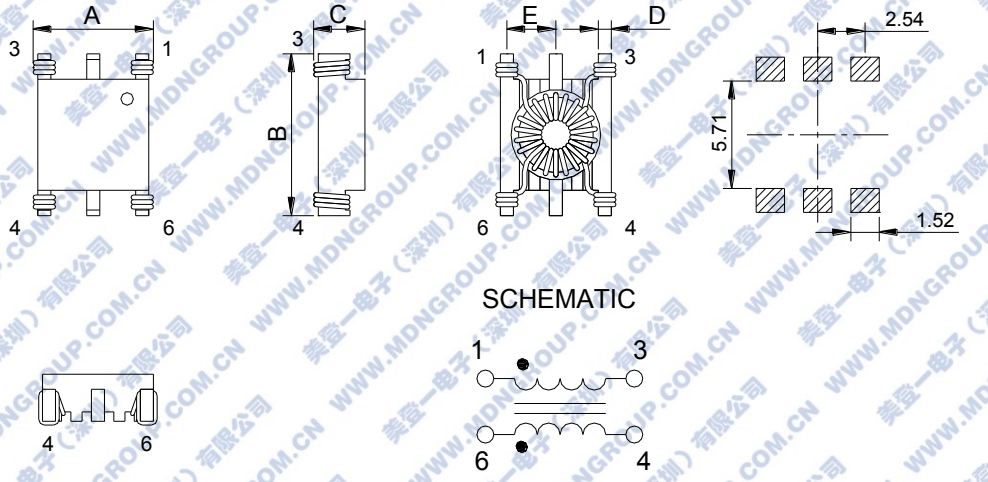
APPLICATIONS

- Designed to work with LT4295 and LT4276.

用 途

- 设计用于 LT4295 和 LT4276。

DIMENSIONS AND LAND PATTERNS(mm)



A max	B max	C max	D±0.1	E±0.2
6.80	8.80	2.80	0.70	2.54

SPECIFICATION

P/N	L (uH) ±30%	Lk (uH) Max	DCR(Ω)		ET (V-μsec) Max	Turns ratio	Hipot
			Pri Max	Sec Max		Pri:Sec	Pri-Sec
EPA4271GE-LF	785	0.46	0.60	0.60	9.7	1:1	1500

Notes： L test condition: 1KHz/0.25V,Lk test condition: 100KHz/1.0V.