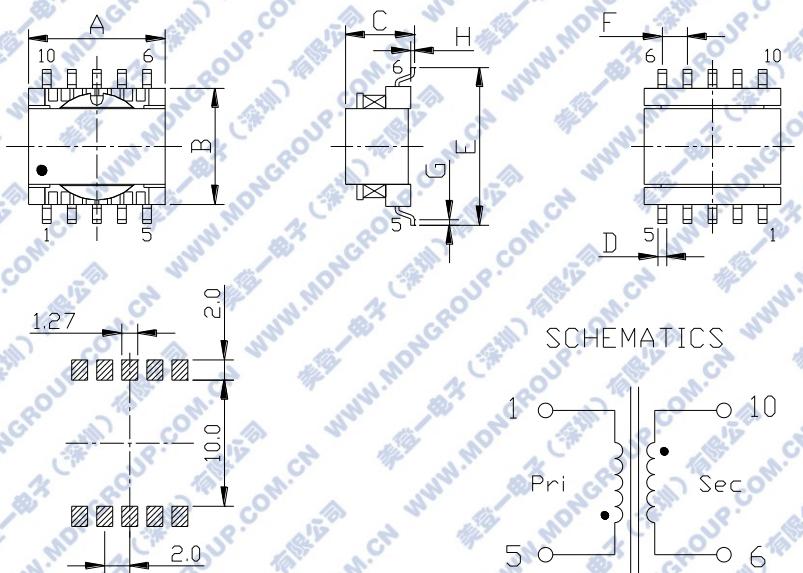


GATE DRIVE TRANSFORMERS 棚极驱动变压器**DA2099****FEATURES**

- 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.

APPLICATIONS

- Designed for ON Semiconductor Power Factor Correction and Flyback Controllers.

DIMENSIONS AND LAND PATTERNS(mm)

A max	B ± 0.2	C max	D±0.2	E max	F±0.2	G Ref	H Ref
12.0	9.2	6.5	0.70	13.0	2.0	0.80	0.20

SPECIFICATION

P/N	L (mH) ±20%	Lk (uH) Max	DCR(Ω)Max		Turns ratio Pri:Sec	Volt-time Product (V- μ sec)	Capacitance Pri to Sec (PF) Max
			Pri	Sec			
DA2099	3.79	13.0	2.30	2.85	1:1	221	13.0

Notes: L&Lk test frequency 100KHz/0.3V.

特征

- 棚极驱动变压器用于在 MOSFET 的漏极和源极之间传递控制棚极电压脉冲，同时在 MOSFET 和控制驱动电路之间提供隔离。棚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。棚极驱动变压器在驱动 MOSFET 棚极时将控制棚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。

用途

- 用于半导体功率因数校正和反激控制器的设计。

