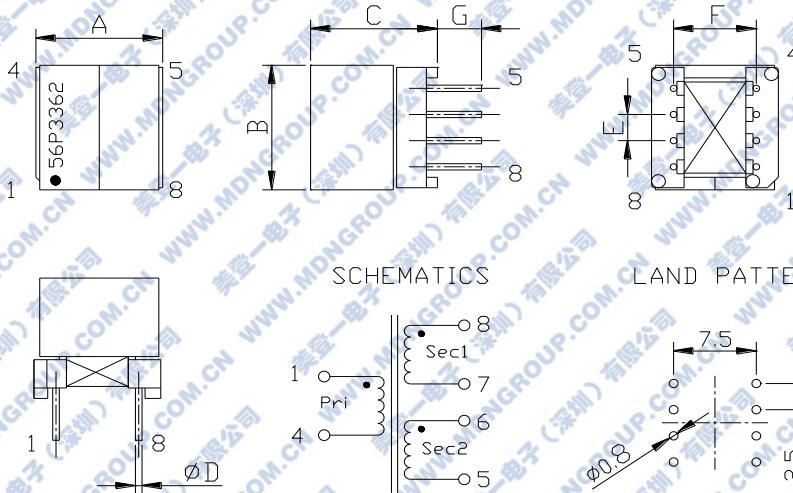


**GATE DRIVE TRANSFORMERS 栅极驱动变压器****56P3362****FEATURES**

- 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 max | C max | D ± 0.1 | E ± 0.2 | F ± 0.2 | G ± 0.2 |
|-------|-------|-------|---------|---------|---------|---------|
| 12.0  | 13.0  | 12.0  | 0.60    | 2.50    | 7.50    | 4.0     |

**SPECIFICATION**

| P/N     | L<br>(mH)<br>± 30% | Lk<br>(uH)<br>Max | DCR (Ω)    |            | ET<br>(V-μ sec)<br>Min | Turns ratio<br>Pri:Sec | Hipot<br>Pri-Sec | Hipot<br>Sec-Sec |
|---------|--------------------|-------------------|------------|------------|------------------------|------------------------|------------------|------------------|
|         |                    |                   | Pri<br>Max | Sec<br>Max |                        |                        |                  |                  |
| 56P3362 | 1.30               | 0.35              | 0.35       | 0.80       | 45                     | 1:1                    | 3750V/2SEC       | 1500V/2SEC       |

Notes: L&amp;Lk test frequency 100KHz/1.0V.

**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。

**用 途**

- 用于半导体功率因数校正和反激控制器的设计。