

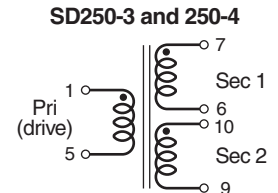
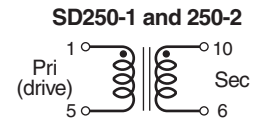


Base/Gate Driver Transformers

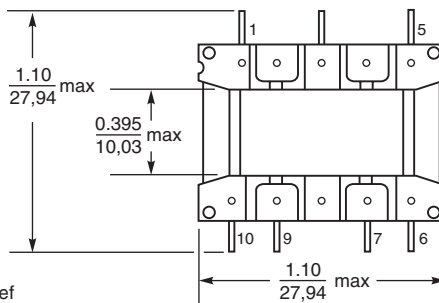
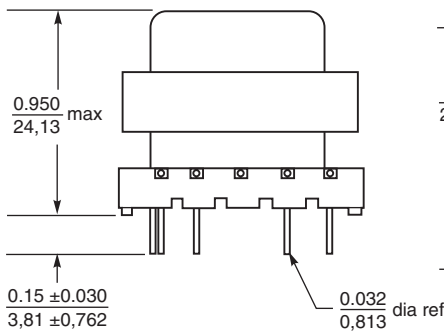


- Lower cost than toroidal equivalents
- Frequency range of 10 - 250 kHz and up
- Industry standard pin centers
- VDE, IEC, UL, CSA compliant
- 3750 Vrms isolation between windings
- Constructed with UL approved Class 130°C insulation system (UL File E83628)

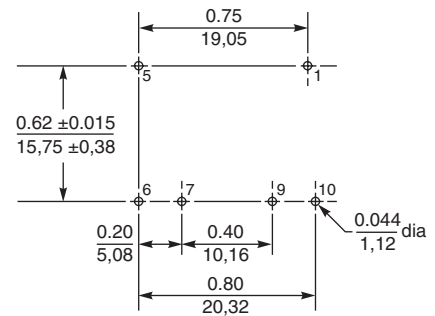
| | SD250-1L | SD250-2L | SD250-3L | SD250-4L |
|---------------------------------------|------------|------------|------------|---------------|
| Turns ratio (pri : sec) | 1 : 1 | 1 : 1.5 | 1 : 1 : 1 | 1 : 1.5 : 1.5 |
| Primary winding | | | | |
| Inductance (min) ¹ | 1.5 mH | 1.5 mH | 1.5 mH | 1.5 mH |
| Leakage inductance (max) ¹ | 4.0 μH | 4.0 μH | 4.0 μH | 4.0 μH |
| DCR | 0.4 Ω | 0.4 Ω | 0.4 Ω | 0.4 Ω |
| Volt-time product | 375 V-μsec | 375 V-μsec | 375 V-μsec | 375 V-μsec |
| Secondary winding(s) | | | | |
| Capacitance, pri to sec (max) | 50 pF | 50 pF | 50 pF | 50 pF |
| DCR, each section (max) | 0.75 Ω | 2.5 Ω | 0.75 Ω | 2.5 Ω |



1. Measured at 1 Vrms, 15.75 kHz.
2. Operating temperature range -40°C to +85°C.
3. Electrical specifications at 25°C.



Recommended board layout



Pins 7 and 9 are not present on SD250-1 and SD250-2

Weight: 15.6 – 16.8 g
Termination: Tin-silver over tin over copper
Packaging: 49 per tray



Specifications subject to change without notice.
 Please check our website for latest information.

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