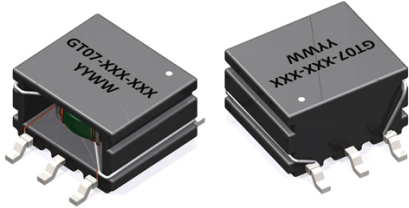


GT07 Series SMT Gate Drive Transformers



FEATURES

- 9.2 mm Creepage
- 8.0 mm Clearance
- Optimized for frequencies from 50kHz to 1MHz
- Suitable for pick-and-place applications
- Designed to work with TI SN6500 series Transformer Drivers

APPLICATIONS

- Gate Drive Transformer
- Signal Transformer Across Isolation Barrier
- Small Form Factor Push-Pull Transformers for Low-Noise Isolated Power Supplies

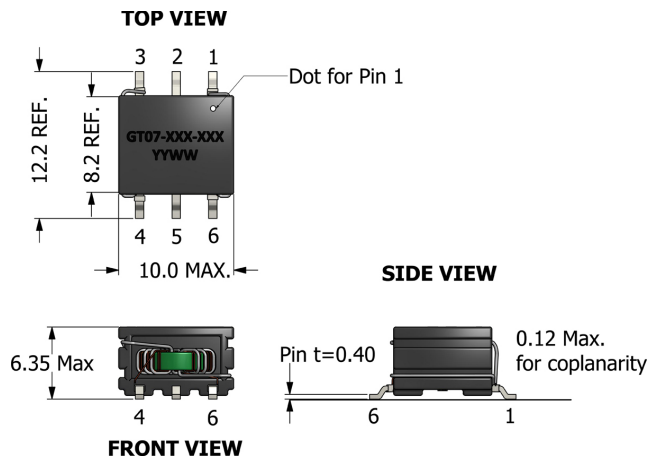
PACKAGING

Reel Diameter: 13"

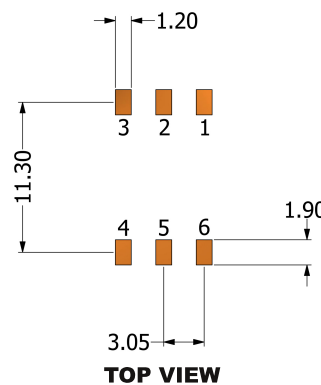
Reel Width: 24 mm

Pieces Per Reel: 500

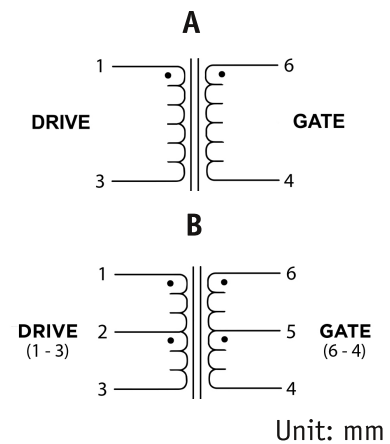
Mechanical Drawing



Recommended PCB Layout



Schematic



Electrical Specifications

Part Number	Turns Ratio Drive:Gate	Drive Ind. ¹ (μH, min.)	DCR ² (mΩ, max.)	Lkg. Ind. ⁴ (uH, max.)	E-T Prod. ⁵ (V-μs)	Hi-Pot ⁶ (V _{AC}) (Drive:Gate)	Schematic
GT07-110-013	1:1	100	370:300	0.30	13	6250	A
GT07-110-027	1:1.1	340	720:530	0.60	27	6250	B
GT07-120-045	1:2.57	166	520:720	0.35	45	3750	B

Notes:

1. Tested at 100kHz, 0.1Vrms (Terminals 1-3).
2. Electrical specifications at 25°C.
3. Operating range: -40°C to +125°C.
4. Drive terminals 1-3 (4, 6 shorted).
5. E-T product rating is for (6-4) windings and is based upon flux density of 2800 Gauss at 25°C in a bipolar drive applications.
6. Tested at 60Hz, 1mA, 1 second.
7. Meets UL 94V-0.



Specifications subject to change without prior notice.

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[GT07-110-013](#) [GT07-110-027](#)