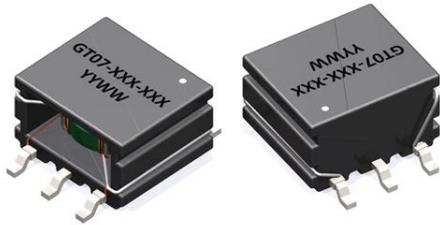


# GT07 Series

## SMT Gate Drive Transformers



- Height: 6.35 mm (Max)
- Footprint: 10.0 mm (Max) x 12.2 mm (Ref)
- Frequency Range: 50 kHz to 1 MHz
- 9.2 mm Creepage / 8.0 mm Clearance
- Designed to Work with TI SN6500 Series Transformer Drivers
- Suitable for Pick & Place Applications

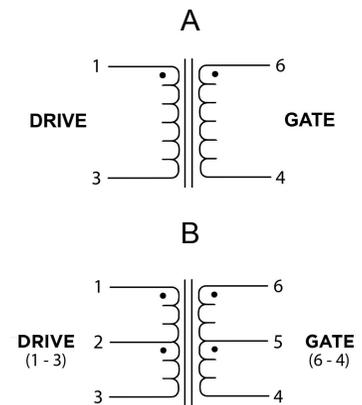
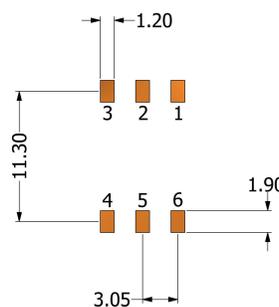
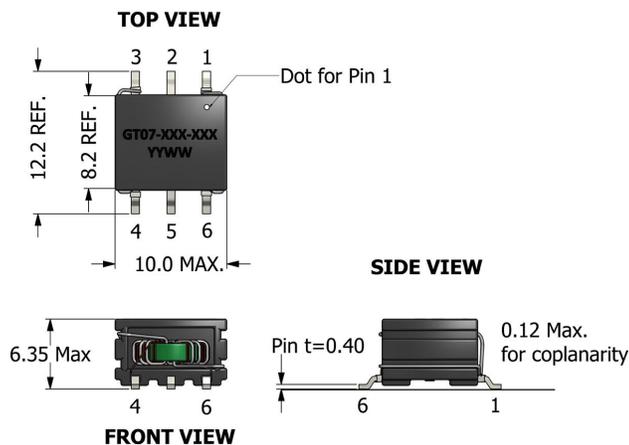
### APPLICATIONS

- Signal Xfmr Across Isolation Barrier
- Small Form Factor
- Push-Pull Xfmr for Low-Noise Isolated Power Supplies

### PACKAGING

- Reel Diameter: 13"
- Reel Width: 24 mm
- Pieces/Reel: 500

Mechanical Drawing	Recommended PCB Layout	Schematic
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All dimensions are in mm

### Electrical Specifications @ 25°C - Operating Temperature Range<sup>1</sup>: -40°C to +125°C

Part Number	Turns Ratio (TR)	Drive Inductance <sup>2</sup> (μH, Min)	DCR Pri:Sec (mΩ, Max)	Leakage Inductance (μH, Max)	SRF <sup>3</sup> (1-3) (MHz, Typ)	ET Product <sup>5</sup> (V-μs, Max)	Hi-Pot Drive:Gate	Schematic
GT07-110-013	1:1	100	370:300	0.30	7.6	13	6250 V <sub>AC</sub>	A
GT07-110-027	1:1.1	340	720:530	0.60	4.3	27	6250 V <sub>AC</sub>	B
GT07-120-045	1:2.57	166	520:720	0.35	2.7	45	3750 V <sub>AC</sub>	B

- Operating Temp. Range:** The combination of ambient temperature and temperature rise.
- Drive Inductance:** Tested at 100kHz, 0.1 V<sub>RMS</sub>
- SRF values are for reference only.
- Flammability Standard:** Meets UL 94V-0.
- ET Product:** The maximum ET is based upon a flux density of 2800 Gauss at 25°C.
- Suitable for bipolar applications only.

$$ET = E_p / 2f$$

Where as,

$$E_p = \text{Primary Voltage (V)} \quad f = \text{Frequency (Hz)}$$

Specifications subject to change without prior notice.

