# **GT06 Series Gate Drive Transformer**





#### **FEATURES**

- 12.5 mm creepage/clearance
- Optimized for frequencies from 40 kHz to 350 kHz
- Suitable for pick and place applications

#### **PACKAGING**

-Reel Diameter: 13" -Reel Width: 32mm

-Pieces Per Reel: 400

#### **APPLICATIONS**

- Gate Drive Transformer
- Signal Transformer Across Isolation Barrier

### Mechanical Recommended PCB Layout Schematic TOP VIEW Dot for pin 1 GT06-XXX-XXX 16.0 Ref. YYWW 13.7 FRONT VIEW 16.9

## **Electrical Specifications**

Part Number	Turns Ratio Drive:Gate	Drive Ind. <sup>1</sup> (µH, min.)	DCR $(m\Omega, max.)$	Lkg. Ind. (nH, max.)	E-T Prod⁵ (V-µs)	Hi-Pot Drive:Gate	Hi-Pot Gate:Gate
GT06-111-049	1:1:1	882	720:720	360	49	3750 V <sub>ac</sub>	1,500 V <sub>dc</sub>
GT06-111-100	1:1:1	2000	1430:1300	470	100	$3750 V_{ac}$	1,500 V <sub>dc</sub>
GT06-122-053	1:2.5:2.5	162	360:720	240	53	3750 V <sub>ac</sub>	1,500 V <sub>dc</sub>

- 1. Tested at 100kHz, 0.1Vrms.
- 2. Electrical specifications at 25°C. 3. Operating range: -40° C to +130° C.
- 4. Meets UL 94V-0.
- 5. E-T product rating is for secondary (gate) windings in a bipolar drive application at 25°C. Derate the E-T product rating by 20% for operation at 100°C.

SIDE VIEW

