

GT03 Series Gate Drive Transformer



Features

- ◆ Meets medical VDE creepage/clearance
- ◆ Optimized for frequencies from 100 kHz to 350 kHz
- ◆ Suitable for pick and place applications

Applications

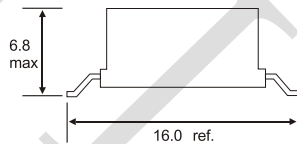
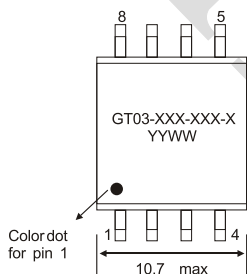
- ◆ Gate Drive Transformer
- ◆ AC/DC and DC/DC Converters
- ◆ Signal Transformer Across Isolation Barrier

Packaging Reel diameter: 13 " , Reel width: 24mm,Pieces/reel: 500

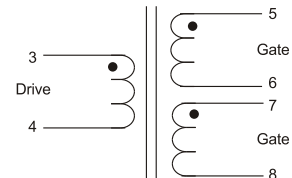
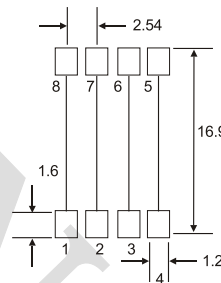
Mechanical

Recommended PCB layout

Schematic



Units: mm



Electrical Specifications

Part Number	Turns Ratio Drive:Gate	Drive Ind.1 (μ H,min.)	DCR (m Ω ,max.)	Lkg.Ind. (NH,max.)	E-T Prod ⁵ (V- μ s)	Hi-Pot
GT03-111-034-A	1:1:1	882	550:550	300	34.6	1500Vdc
GT03-111-052-A	1:1:1	1985	850:850	370	51.9	1500Vdc
GT03-111-069-A	1:1:1	2000	1300:1300	300	69	1500Vdc
GT03-111-110-A	1:1:1	5100	1900:1900	550	110	1500Vdc
GT03-122-037-A	1:2.5:2.5	162	265:590	180	37.1	1500Vdc
GT-03-122-055-A	1:2.5:2.5	365	400:900	300	55.6	1500Vdc
GT-03-111-034-B	1:1:1	882	600:600	360	34.6	3750Vdc
GT03-111-069-B	1:1:1	2000	1460:1300	470	69	3750Vdc
GT03-122-037-B	1:2.5:2.5	162	280:590	240	37.1	3750Vdc
GT03-111-034-C	1:1:1	882	600:600	360	34.6	3750Vdc
GT03-111-069-C	1:1:1	2000	1430:1300	470	69	3700Vdc
GT03-122-037-C	1:2.5:2.5	162	280:590	240	37.1	3750Vdc

GT03-XXX-XXX-A: 0mm creepage/clearance

B: 3mm creepage/clearance

C: 8mm creepage/clearance

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 and is based upon flux density of 2200 Gauss at 25°C in a bipolar drive application.
6. Meets Class F(155°C) insu - lation system requirements.