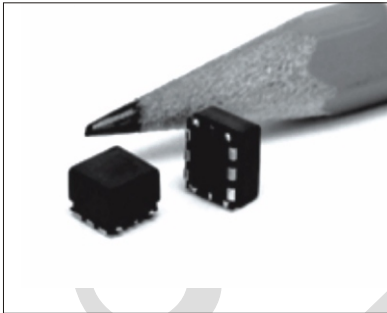


GT01 Series Gate Drive Transformer



Features

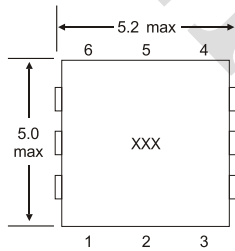
- ◆ Smallest size available on the market
- ◆ Designed for frequencies from 500 kHz to over 1 Mhz
- ◆ Flat top for pick and place applications
- ◆ Multiple turns ratios available

Applications

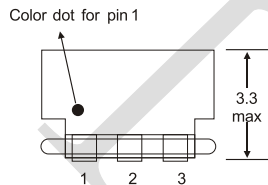
- ◆ Voltage Regulator Modules
- ◆ High Frequency AC/DC and DC/DC Converters
- ◆ Pulse/Signal Transformers
- ◆ Multiple turns ratios available

Packaging diameter: 13" ,Reel width: 16mm,Pieces/reel: 2000

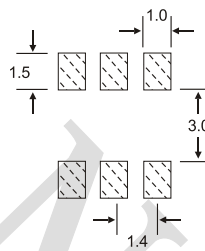
Mechanical



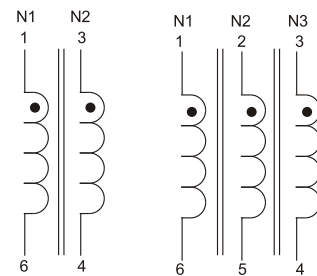
Top View



Side View



Top View



Recommended PCB layout

Schematic

Electrical Specifications

Part Number	Turns Ratio N1:N2:N3	Inductance ¹ (μ h,min.)	DCR ¹ ($m\Omega$,max.)	Lkg,Ind. (nH)	E-T Product ⁵ ($V_{\mu s}$)	Hi-Pot (V_{dc})
GT01-110-007	1:1	200	180:180	130	7.5	500
GT01-110-011	1:1	450	470:470	180	11.2	500
GT01-110-015	1:1	800	620:620	200	15.0	500
GT01-120-007	1:2	50	95:180	75	7.5	500
GT01-120-010	1:2	90	180:330	75	10.0	500
GT01-120-015	1:2	200	250:520	95	15.0	500
GT01-111-007	1:1:1	20	270:270:270	100	7.5	500
GT01-111-011	1:1:1	450	470:470:470	150	11.2	500
GT01-122-007	1:2:2	50	130:260:260	65	7.5	500
GT01-122-010	1:2:2	90	220:430:430	75	10.0	500
GT01-122-015	1:2:2	200	330:690:690	130	15.0	500
GT01-133-007	1:3:3	22	100:270:270	100	7.5	500
GT01-133-011	1:3:3	50	170:460:460	70	11.2	500
GT01-133-015	1:3:3	90	220:650:650	80	15.0	500

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 - ordinary (gate) windings and is based upon a flux density of 2200 Gauss at 25°C in a bipolar drive application.