



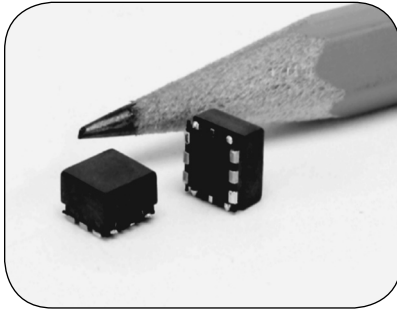
ICE Components, Inc.

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Gate Drive Transformer

GT01 Series



Features

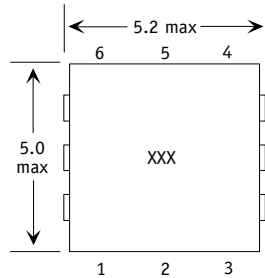
- Smallest size available on the market
- Designed for frequencies from 500 kHz to over 1 MHz
- Flat top for pick and place applications
- Multiple turns ratios available

Applications

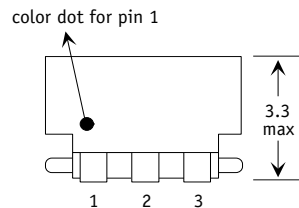
- Voltage Regulator Modules
- High Frequency AC/DC and DC/DC Converters
- Pulse/Signal Transformers

Packaging: Reel diameter: 13", Reel width: 16mm, Pieces/reel: 2500

Mechanical

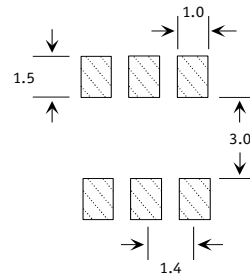


Top View



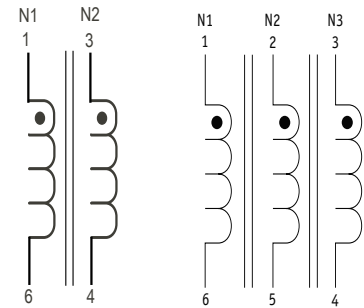
Side View

Recommended PCB layout



Top View

Schematic



units: mm

Electrical Specifications

Part Number	Turns Ratio N1:N2:N3	Inductance ¹ (μ H,min.)	DCR ¹ (m Ω ,max.)	Lkg. Ind. (nH)	E-T Product ⁵ (V μ 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	200	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 (gate) windings and is based upon a flux density of 2200 Gauss at 25°C in a bipolar drive application.

