

T02 Series Gate Drive Transformer



Features

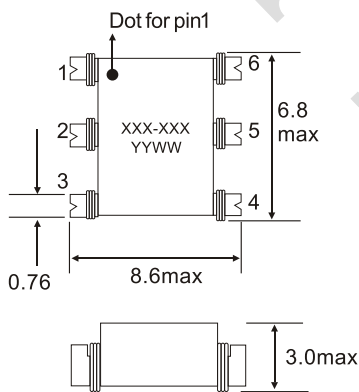
- ◆ Low Profile - 3mm
- ◆ Designed for Frequencies from 75 kHz to over 1 Mhz
- ◆ Suitable for Pickand Place applications

Applications

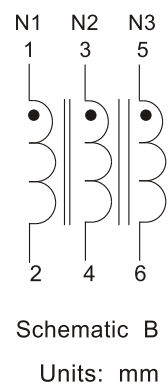
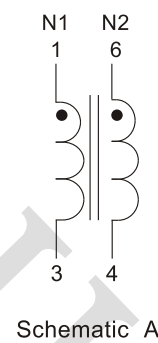
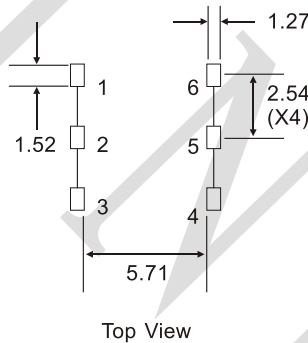
- ◆ Gate Drive Transformer
- ◆ AC/DC and DC/DC Converters
- ◆ Pulse/Signal Transformers

Packaging Reel diameter: 13" , Reel width: 16 mm,Pieces/reel: 1500

Mechanical



Recommended PCB Layout



Units: mm

Electrical Specifications

Part Number	Turns Ratio N1:N2:N3	Inductance ¹ (μ H,min.)	DCR ² (mΩ ,max.)	Lkg.Ind. (μ H,max.)	E-T Prod ⁵ (V- μ s)	Hi-Pot (V _{dc})	Schematic
T02-110-006	1:1	135	225:225	0.2	6.9	1500	A
T02-110-010	1:1	290.4	320:320	0.2	10.2	1500	A
T02-110-019	1:1	785	600:520	0.36	19.4	1500	A
T02-120-006	1:2.5	21.6	110:3 20	0.1	6.9	1500	A
T02-120-014	1:2.5	86.4	190:410	0.15	13.8	1500	A
T02-111-006	1:1:1	135	230:230	0.1	6.9	1500	B
T02-122-006	1:2.5:2.5	21.6	110:2 30	0.1	6.9	1500	B
T02-122-008	1:2.2	48.6	160:260	0.15	8.3	1500	B

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 Gaussat 25 °C in a bipolar drive application.