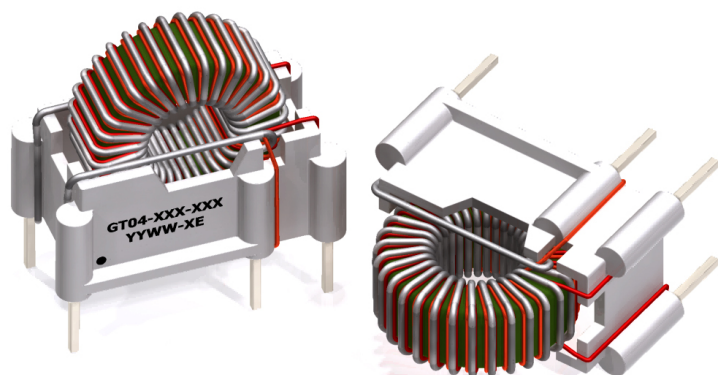


GT04 Series Gate Drive Transformers



FEATURES

- Meets medical safety isolation requirements
- Designed for frequencies from 20kHz to 300kHz
- Available in UL Class F (155°C) or Economical Class B (130°C) Versions

APPLICATIONS

- Gate Drive Transformer
- Signal Transformer Across Isolation Barrier
- Off-line AC/DC Converters
- High-powered DC/DC Converters

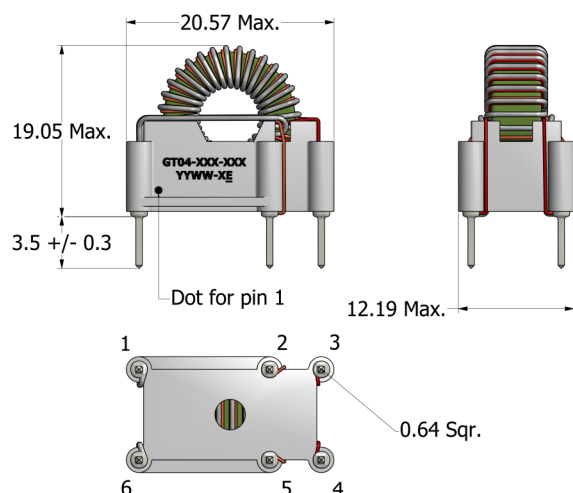
PACKAGING

Pieces/Tray: 120

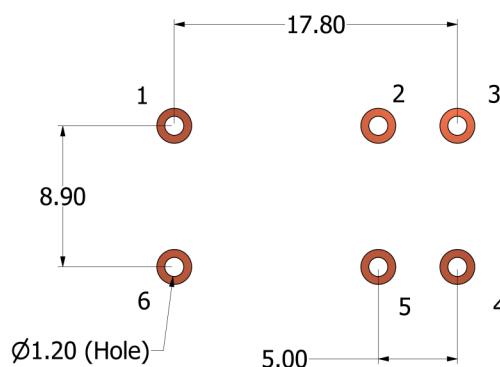
Trays/Box: 12

Pieces/Box: 1440

Mechanical Drawing



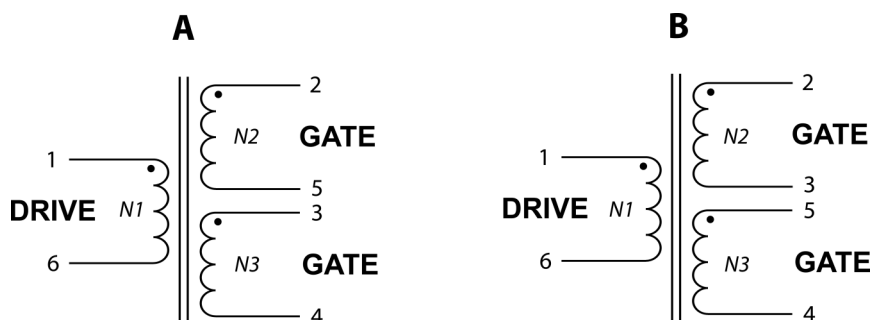
Recommended PCB Layout



BOTTOM VIEW

Unit: mm

Schematic



Specifications subject to change without prior notice.

ELECTRICAL SPECIFICATIONS - STANDARD VERSIONS

Part Number	Turns Ratio Drive:Gate	Drive Ind. ¹ (mH, min.)	DCR ² (mΩ. max.) N1:N2:N3	Lkg. Ind. (nH,max.)	E-T Prod. ⁵ (V-μs)	Hi-Pot (Drive:Gate)
GT04-111-063-__	1:1:1	0.247	40:40:40	200	63	4500 V _{DC}
GT04-111-126-__	1:1:1	0.990	70:70:70	400	126	4500 V _{DC}
GT04-111-189-__	1:1:1	2.220	200:200:200	500	189	4500 V _{DC}
GT04-111-252-__	1:1:1	3.960	500:500:500	700	252	4500 V _{DC}
GT04-111-315-__	1:1:1	6.180	1000:1000:1000	800	315	4500 V _{DC}
GT04-111-378-__	1:1:1	8.910	2700:2700:2700	1200	378	4500 V _{DC}
GT04-122-063-__	1:2.5:2.5	0.039	20:40:40	150	63	4500 V _{DC}
GT04-122-126-__	1:2.5:2.5	0.158	40:70:70	200	126	4500 V _{DC}
GT04-122-189-__	1:2.5:2.5	0.356	100:200:200	250	189	4500 V _{DC}
GT04-122-252-__	1:2.5:2.5	0.634	200:450:450	300	252	4500 V _{DC}
GT04-122-315-__	1:2.5:2.5	0.990	400:900:900	400	315	4500 V _{DC}
GT04-122-378-__	1:2.5:2.5	1.420	1100:2500:2500	500	378	4500 V _{DC}

ELECTRICAL SPECIFICATIONS - ECONOMY VERSIONS

Part Number	Turns Ratio Drive:Gate	Drive Ind. ¹ (mH, min.)	DCR ² (mΩ. max.) N1:N2:N3	Lkg. Ind. (nH,max.)	E-T Prod. ⁵ (V-μs)	Hi-Pot (Drive:Gate)
GT04-111-063-__E	1:1:1	0.247	70:40:40	400	63	4500 V _{DC}
GT04-111-126-__E	1:1:1	0.990	160:70:70	600	126	4500 V _{DC}
GT04-111-189-__E	1:1:1	2.220	200:200:200	500	189	4500 V _{DC}
GT04-111-252-__E	1:1:1	3.960	800:500:500	900	252	4500 V _{DC}
GT04-111-315-__E	1:1:1	6.180	1000:1000:1000	800	315	4500 V _{DC}
GT04-111-378-__E	1:1:1	8.910	1200:2700:2700	1500	378	4500 V _{DC}
GT04-122-063-__E	1:2.5:2.5	0.039	40:40:40	400	63	4500 V _{DC}
GT04-122-126-__E	1:2.5:2.5	0.158	70:70:70	400	126	4500 V _{DC}
GT04-122-189-__E	1:2.5:2.5	0.356	100:200:200	250	189	4500 V _{DC}
GT04-122-252-__E	1:2.5:2.5	0.634	340:450:450	600	252	4500 V _{DC}
GT04-122-315-__E	1:2.5:2.5	0.990	400:900:900	400	315	4500 V _{DC}
GT04-122-378-__E	1:2.5:2.5	1.420	500:2500:2500	900	378	4500 V _{DC}

1. Tested at 10kHz, 0.1 Vrms.
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 applications.
6. Select pin assignment option based on schematics above. For other options, please contact ICE Components, Inc.

Specifications subject to change without prior notice.

