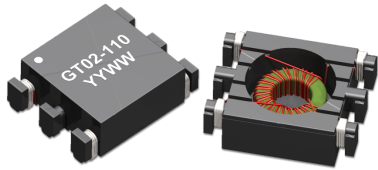


GT02 Series

Low Profile SMT Gate Drive Transformers



- Height: 3.0 mm (Max)
- Footprint: 8.6 mm (Max) x 6.8 mm (Max)
- Frequency Range: 75 kHz to over 1 MHz
- Full Selection of Turns Ratios
- Suitable for Pick & Place Applications

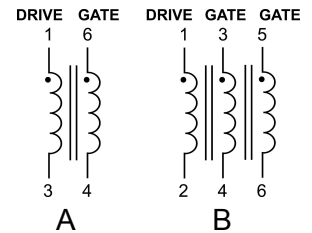
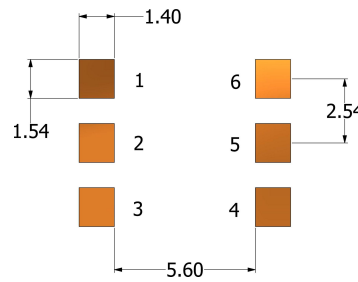
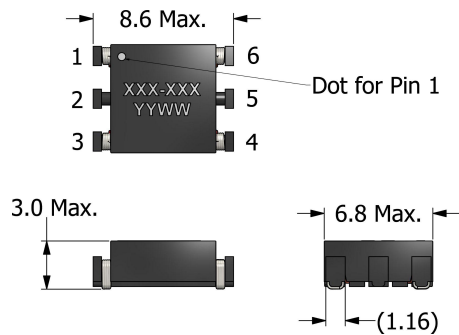
APPLICATIONS

- DC/DC Converters
- AC/DC Converters
- Pulse/Signal Xfmrs

PACKAGING

- Reel Diameter: 13"
- Reel Width: 16 mm
- Pieces/Reel: 1500

Mechanical Drawing	Recommended PCB Layout	Schematic
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All dimensions are in mm

Electrical Specifications @ 25°C - Operating Temperature Range¹: -40°C to +130°C

Part Number	Turns Ratio (TR)	Drive Inductance ² (μH, Min)	DCR Pri:Sec (mΩ, Max)	Leakage Inductance (μH, Max)	SRF ³ (A:1-3; B:1-2) (MHz, Typ)	ET Product ⁵ (V-μs, Max)	Hi-Pot Drive:Gate	Schematic
GT02-110-006	1:1	135.0	225:225	0.20	13.3	6.9	1500 V _{DC}	A
GT02-110-010	1:1	290.4	320:320	0.20	12.2	10.2	1500 V _{DC}	A
GT02-110-019	1:1	785.0	600:520	0.36	2.1	19.4	1500 V _{DC}	A
GT02-120-006	1:2.5	21.6	110:280	0.10	16.2	6.9	1500 V _{DC}	A
GT02-120-014	1:2.5	86.4	190:410	0.15	7.1	13.8	1500 V _{DC}	A
GT02-111-006	1:1:1	135.0	230:230	0.10	11.6	6.9	1500 V _{DC}	B
GT02-122-006	1:2.5:2.5	21.6	110:280	0.10	13.8	6.9	1500 V _{DC}	B
GT02-122-008	1:2:2	48.6	160:260	0.15	10.4	8.3	1500 V _{DC}	B

- Operating Temp. Range:** The combination of ambient temperature and temperature rise.
- Secondary Inductance:** Tested at 100kHz, 0.1 V_{RMS}
- SRF values are for reference only.
- Flammability Standard:** Meets UL 94V-0.
- ET Product:** The maximum ET is based upon a flux density of 2200 Gauss at 25°C.

Where as,
 $E_p = \text{Primary Voltage (V)}$ $f = \text{Frequency (Hz)}$

- Suitable for bipolar applications only.

$$ET = E_p / 2f$$



Specifications subject to change without prior notice.