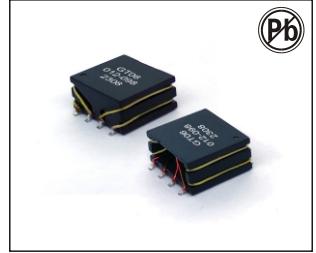


ISOLATION POWER TRANSFORMER /GATE DRIVER TRANSFORMER GT06 SERIES



FEATURES:

- Push Pull Converter Transformer
- IEC 60950 and 61558 basic insulation
- Compliant, 12mm creepage 4000Vrms isolation (600Vrms continuous)
- Conforms AEC-Q200 and IATF16949

ELECTRICAL CHARACTERISTICS@25°C

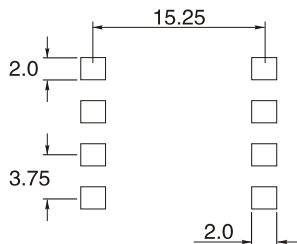
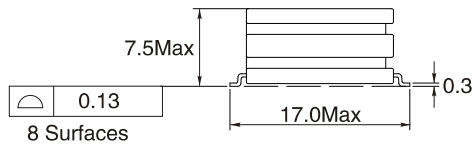
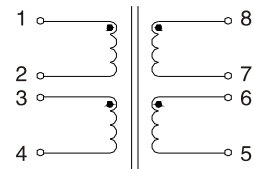
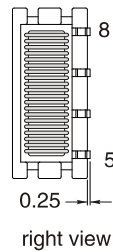
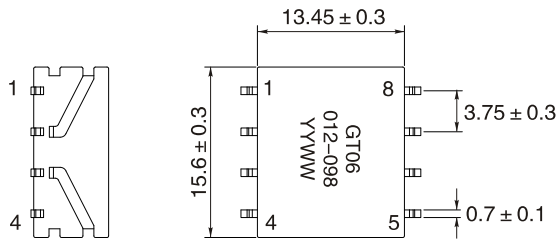
Part Number	Turns ratio (1-4):(8-5)	L(1-4) (uH) ±35% 10KHz,0.1V	LK(1-4) (uH) Max 100KHz,0.1V Short 5-8	DCR(1-4) (Ω) Max	DCR(5-8) (Ω) Max	ET(1-4) (V-usec) Max	Capacitance (1,4)to(5,8) (pF)Max
GT06-011-109	1CT:1CT	3200	6.0	1.1	1.0	109	36
GT06-045-109	4CT:5CT	3200	4.0	1.1	1.25	109	36
GT06-034-098	3CT:4CT	2600	3.0	1.0	1.5	98	36
GT06-012-098	1CT:2CT	2600	3.0	1.0	1.9	98	40
GT06-038-098	3CT:8CT	2600	3.0	1.0	2.2	98	40
GT06-013-098	1CT:3CT	2600	3.0	1.0	2.75	98	40
GT06-027-098	2CT:7CT	2600	3.0	1.0	3.0	98	40
GT06-015-070	1CT:5CT	1350	3.0	0.8	3.2	70	30

Notes:

- The ET Max is calculated to limit the core loss and temperature rise at 200KHz based on a bipolar flux swing of 180mT Peak.
- For Push-Pull topology, where the voltage is applied across half the primary winding turns, the ET needs to be derated by 50% for the same flux swing.
- The AEC-Q200 temperature and humidity operational life testing was completed using a dielectric strength test of 4000Vdc.

TECHNICAL INFORMATION & WINDING

Dimensions(mm)



TEMPERATURE RANGE

Operating temperature rang: -40°C to +125°C

PACKAGING INFORMATION

Tray80/tray