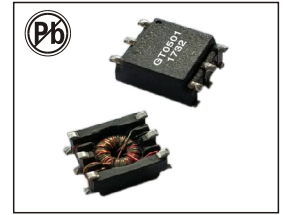


SMD GATE DRIVE TRANSFORMERS

GT05 SERIES



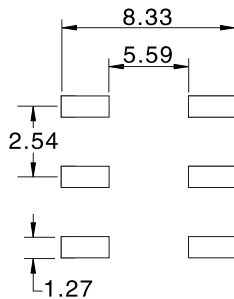
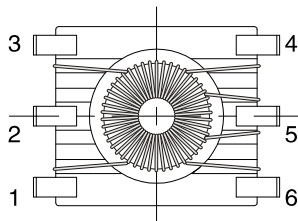
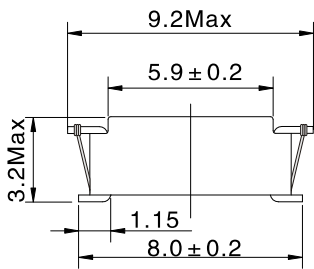
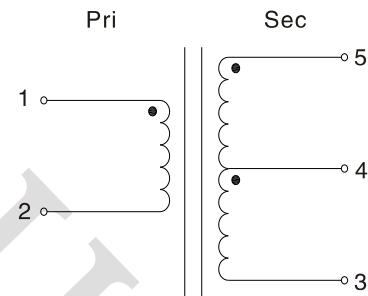
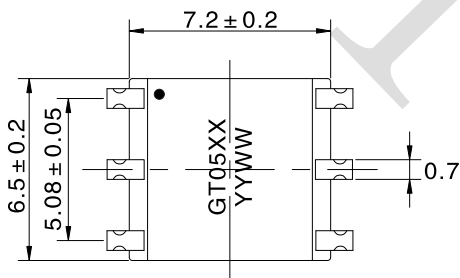
FEATURES:

- 2700VDC insulation between Gate and Drive
- Operating frequency: 50KHz and up
- Three windings (one drive and two gates)

ELECTRICAL CHARACTERISTICS@25°C

Part Number	Turns ratio	Pri-Sec Insulation (Vdc)	Volt-usec Max (1-2)	Pri inductance 100KHz,0.1V (uH) ± 35%	Lk 100KHz,0.1V (uH) Max	DCR 1-2 (Ω)Max	DCR 5-4 (Ω)Max	DCR 4-3 (Ω)Max
GT0501	1:1:1	2700	21.0	780	0.4	0.85	0.85	0.85
GT0502	1:1:1	1500	21.0	780	0.4	0.85	0.85	0.85
GT0503	2:1:1	2300	30.0	1600	1.5	1.10	0.65	0.65
GT0504	1.43:1:1	2300	21.0	820	2.0	0.80	0.65	0.65

PHYSICAL CHARACTERISTICS & WINDING



Recommended Pad

• The Maximum volt- μ sec rating limits the peak flux density to 2500 Gauss when used in a unipolar drive application. For bi-polar drive applications, a maximum volt-sec of 1.5 times this rating is acceptable (ie: volt* μ sec rating = (voltage applied to the primary) * dutycycle / Frequency = V * alpha / Freq_Hz = V * μ sec

• All inductance tests measured at 100kHz, 100mV. Leakage inductance measured from (1-2) with 3,4,5 shorted.

• The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

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

Note:All specifications subject to change without notice.