

GATE DRIVER TRANSFORMER

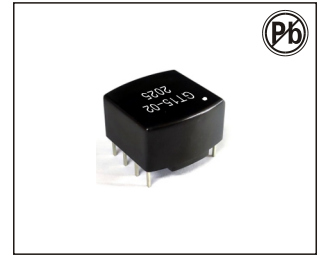
GT15 SERIES

FEATURES:

- RoHS compliant
- Inductance to 16.3mH
- Up to 482 V μ s Et rating
- PCB mounting
- UL94V-0 package materials
- Up to 4000Vrms isolation
- Backward compatible with Sn/Pb soldering systems

APPLCATIONS:

The GT15 series of pulse transformers are intended for medium power applications in switch mode power supplies and thyristor / triac firing (e.g. motor control applications). The standard turns ratios may be modified on any transformer with three windings by connecting any two windings in series.

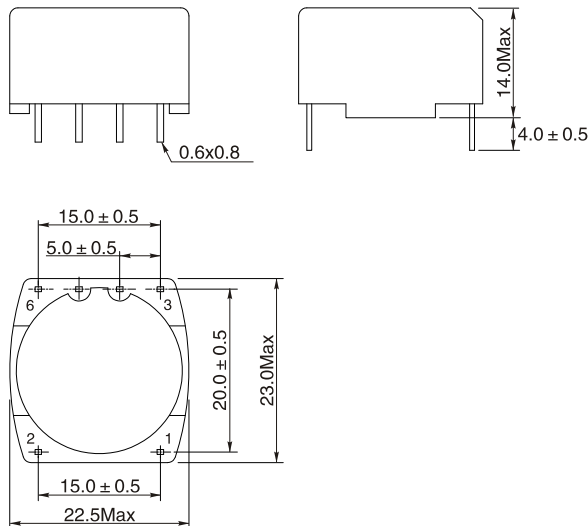


ELECTRICAL CHARACTERISTICS@25°C

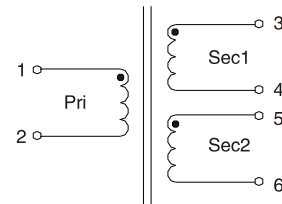
Part Number	Turns ratio	Pri Inductance (mH) Min 1.0KHz, 0.1V	Pri Et Constant (Vus) Min	LK (uH) Max 100KHz, 0.1V	Interwinding Capacitance (pF) Max	DCR			Hi-Pot (kVrms) 50Hz, 1S
						Pri (Ω) Max	Sec1 (Ω) Max	Sec2 (Ω) Max	
GT15-02	1:1:1	1.0	120	3.0	40	0.25	0.22	0.28	2.5
GT15-03	2:1:1	1.0	120	3.5	30	0.24	0.12	0.15	4.0
GT15-04	1:1	4.0	240	5.0	55	0.86	0.83	/	2.5
GT15-05	1:1:1	4.0	240	11.0	35	0.90	0.76	1.10	2.5
GT15-08	1:1:1	16.3	482	40.0	40	3.60	3.10	4.20	2.5
GT15-09	2:1:1	16.3	482	40.0	40	3.50	1.60	2.00	2.5

TECHNICAL INFORMATION & WINDING

Dimensions(mm)



Winding



ABSOLUTE MAXIMUM RATINGS

Operating temperature rang: 0°C to +70°C
Storage temperature rang: -60°C to +125°C

NOTES

Electrical specification at 25°C