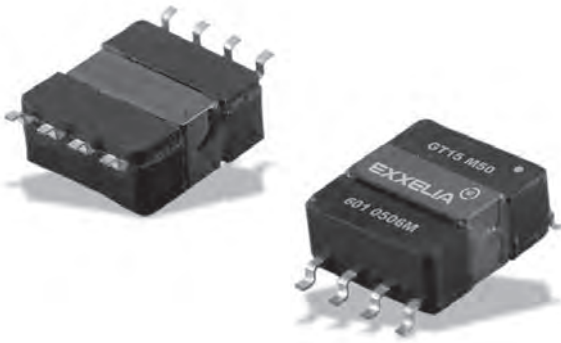


Gate Drive Transformer GDT 15 Series

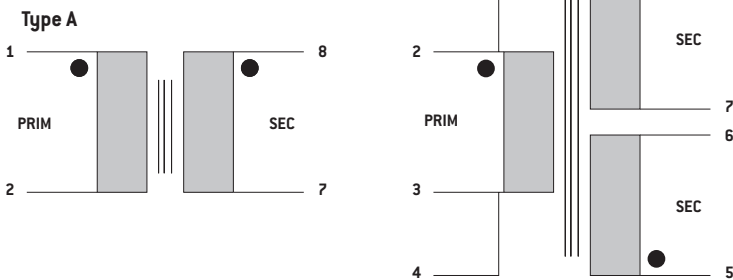


- Excellent performances in Low-profile package
- Suited for Avionics and Space applications
- Frequency range: 50 kHz - 500 kHz
- Applied standards: ECSS-Q-70-71 / ESCC-3201 screening flow applied / ABD-0100 / DO-160
- Materials meet UL94-V0 rating
- Approx. weight: 5 grams

Electrical Data (25°C)

ID Code	ET (V μ s)	Primary Inductance Max	Turn ratio $\pm 1\%$	DC Resistances $\pm 15\%$ (m Ω)	Leakage Inductance	Interwinding Capacitance	Connection Type
GDT15 M50 60 1WR	60	L ₁₋₄ > 500 μ H (10kHz - 1V _{RMS})	N ₇₋₆ / N ₁₋₄ = 1.52	R ₁₋₄ = 170 R ₆₋₇ = 400	L _{f1-4} < 2.0 μ H (6-7 in short circuit)	C _{1-4/6-7} < 150 pF	A
GDT15 M85 80 2WR	80	L ₁₋₄ > 850 μ H (10kHz - 1V _{RMS})	1/1/1	R ₁₋₃ = 400 R ₈₋₇ = 400 R ₆₋₅ = 400	L _{f1-2/3-4} < 25 μ H	C _{1-4/6-7} < 150 pF	B

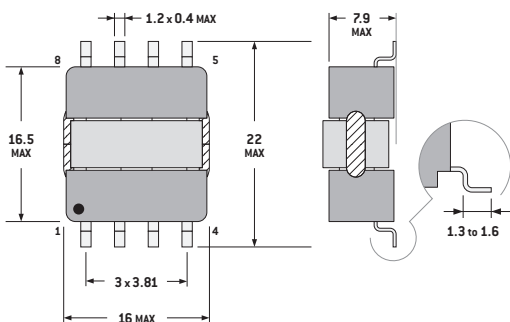
Connections



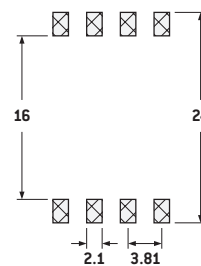
Notes

- Insulation class (windings): Classe H
- Operating temperature: -55°C to +125°C
- Storage temperature: -55°C to +140°C
- Dielectric Strength: 500 V_{RMS} - 50 Hz
- Isolation Voltage: 500 V_{DC} - 50 min (R_i \geq 100M Ω)

Dimensions (mm, top view)

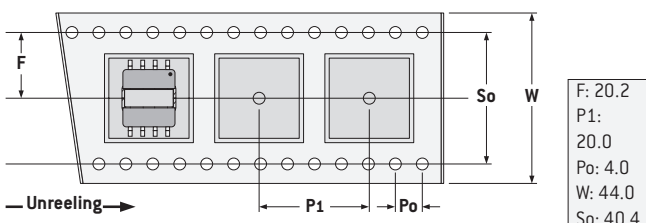


PCB Layout (suggested)



Packaging

Tape and Reel:
400 units per reel of diameter 330 mm



Marking

