

G.SHDSL Magnetics



TM02399

- Designed to comply with the requirements of UL1950 and EN60950 to provide a supplementary insulation barrier with a working voltage of 250V
- Minimum interwinding breakdown voltage of 1500 Vrms
- Minimum interwinding breakdown voltage of 600 Vrms between pin 9 and 10 for 1 minute
- Operating and storage temperature range: -40° to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: shock, vibration, temperature cycling, temperature - humidity - bias

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%	Inductance ¹ mH ±5%	Leakage Inductance µH max	DCR Ω max		Longitudinal Balance ² dB min	Insertion Loss dB max	Harmonic Distortion ² dB max
	Chip : Line	Line Side	Chip Side	Chip Side	Line Side	10 kHz - 400 kHz	300 kHz	13.5 dBm @ 5 kHz
0560-6600-EJ	1 : 1.8	2.75	17	4.4	1.85	50	1.6	80

All measurements are made with pins 2 and 4 connected and pins 1 and 9 connected

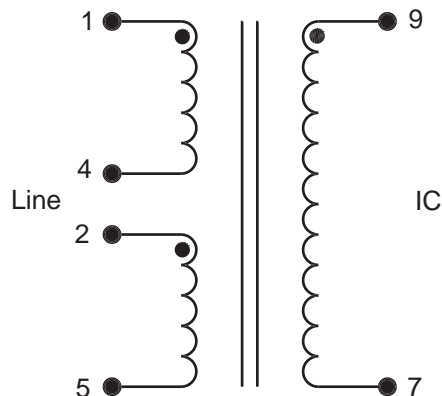
1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured at 100 kHz, 0.1 Vac

3. Measured with line impedance of 135 Ω and chip impedance of 41.66 Ω

SCHEMATIC

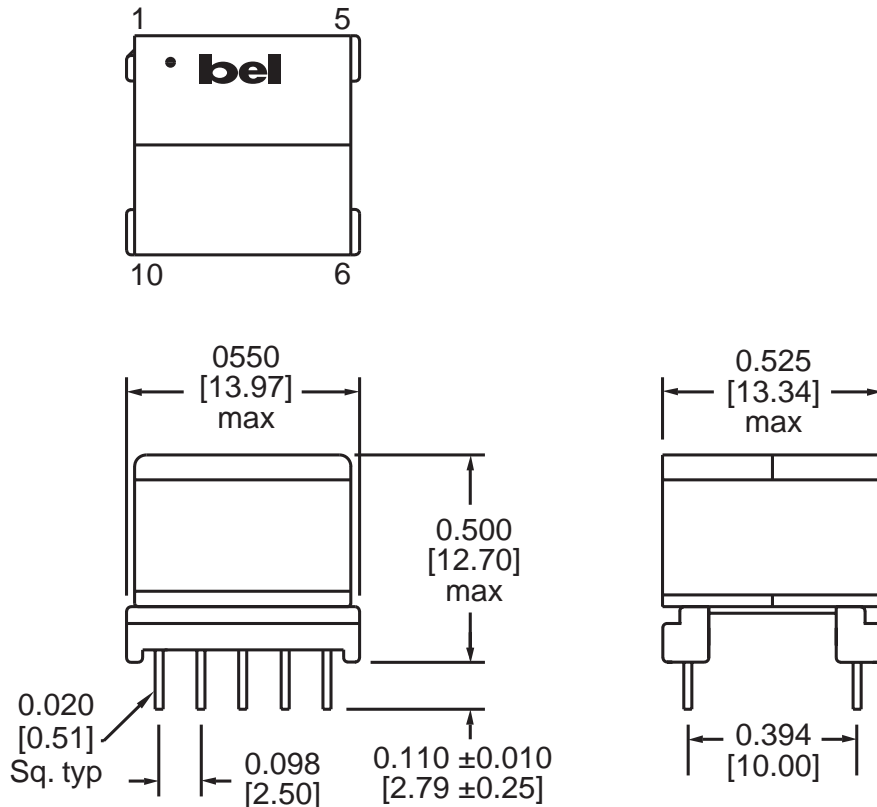
0560-6600-EJ



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MECHANICAL

0560-6600-EJ



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.005 [0.13] unless otherwise noted.

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