ADSL Magnetics

For Texas Instruments TNETD4000R

TM00325

- Designed to meet IEC 950 safety requirements for supplementary insulation at 250V
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating temperature range: -40° C 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

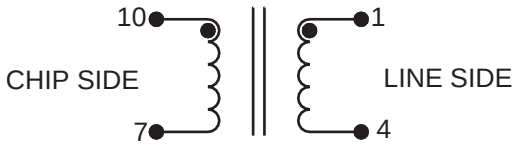
ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Package	Turns Ratio ± 2%	Inductance[1] mH ±5%	Leakage Inductance µH max	DCR Ω Max		Longitudinal Balance db min	Insertion Loss[2] dB max	Frequency Response[2] dB	Harmonic Distortion[2] dB max
		Chip : Line	Line Side	Line Side	Chip Side	Line Side	30 kHz - 1.1 MHz	300 kHz	30 kHz - 1.1 MHz	100 kHZ 15 Vp-p
0560-6600-64	THT	1 : 1.423	1.5	18	0.7	3.8	50	0.5	± 0.5	-80
S560-6600-P3	SMD	1 : 1.423	1.5	18	0.7	3.8	50	0.5	± 0.5	-80

1. measured at 10 kHz, 0.1 Vac
2. Source resistance equals 100Ω

SCHEMATIC

0560-6600-64
S560-6600-P3



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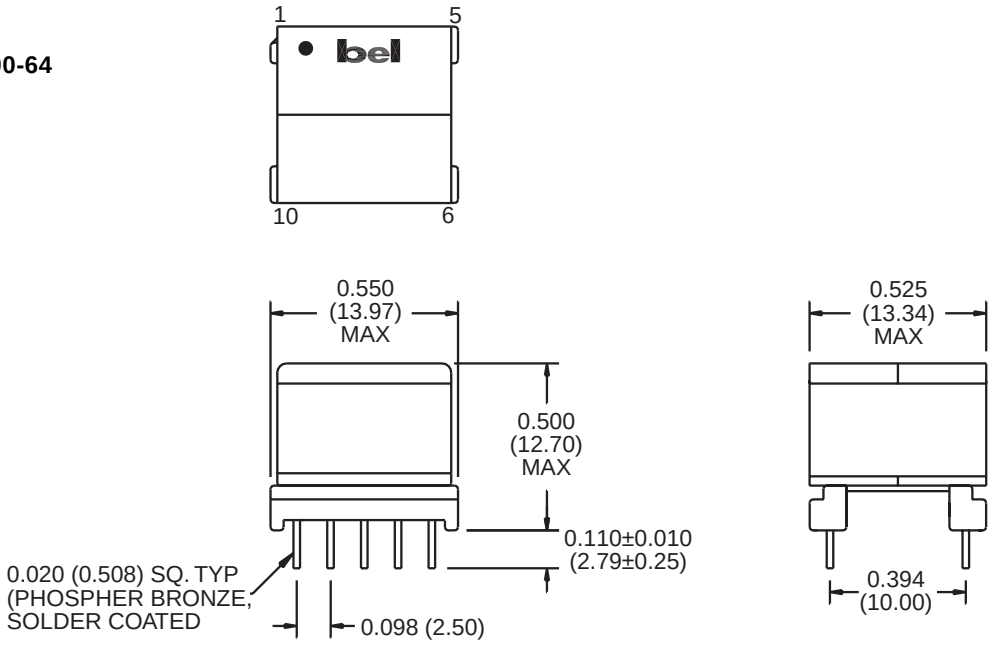
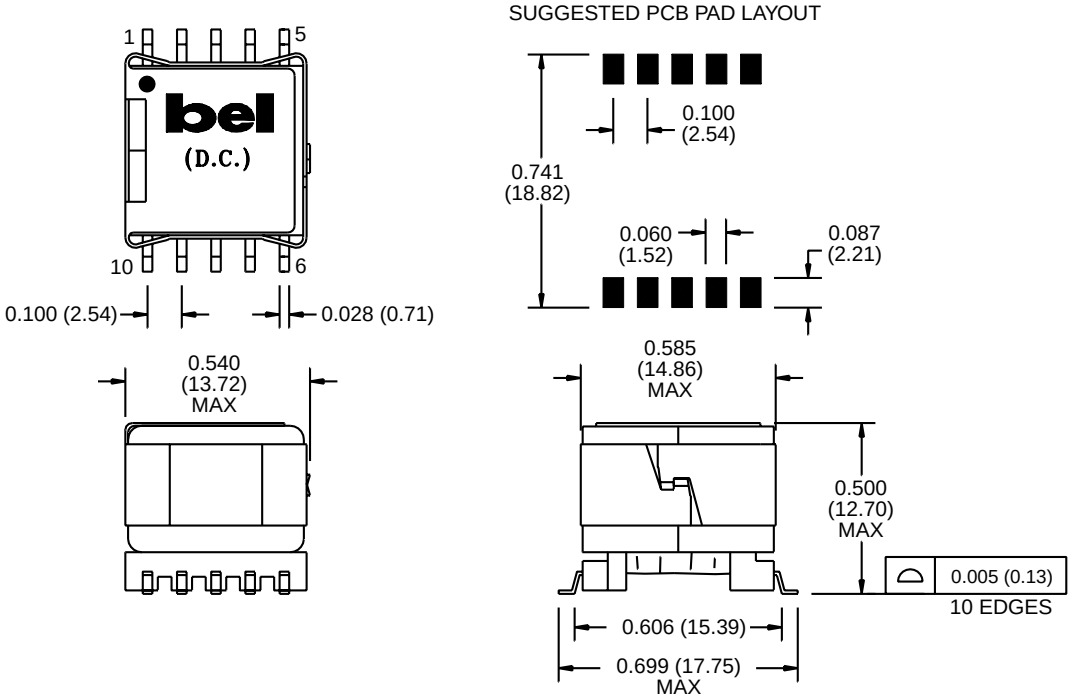
MECHANICAL

0560-6600-64



S560-6600-P3



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