

# VDSL Magnetics

Broadcom



TM01354

- Designed to comply with the requirements of GR1089, UL1950, EN60950, BABT and CSA950 to provide a supplementary insulation barrier with a working voltage of 250V
- Operating and storage temperature range: -40° to +85° C
- UL File Number E150991
- Meets IEC 695, 2-2 flammability requirements
- Minimum interwinding breakdown voltage of 1500 Vrms
- 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

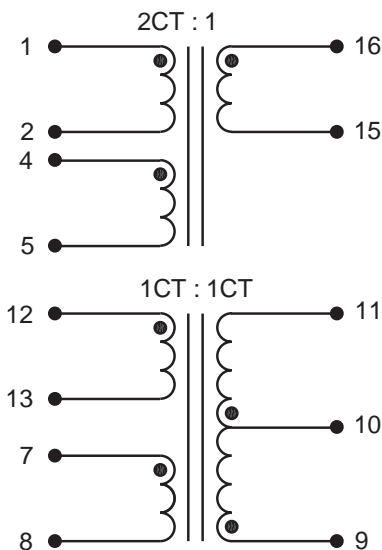
Part Number	Turns Ratio ±2%		Inductance <sup>1</sup> µH min		Leakage Inductance <sup>2</sup> nH max		DCR Ω max		Interwinding Capacitance Cw/w <sup>3</sup> pF max	
	TX	RX	TX	RX	TX	RX	TX	RX	TX	RX
S560-6600-R1	2CT : 1	1CT : 1CT	160	160	100	300	0.5	0.5	20	20

All measurements are made with pins 2 and 3 connected and pins 6 and 7 connected

1. Inductance measured at 10 kHz, 0.01 Vac
2. Leakage inductance measured at 1 MHz, 0.02 Vac
3. Cw/w measured at 1 MHz, 0.02 Vac

## SCHEMATIC

### S560-6600-R1

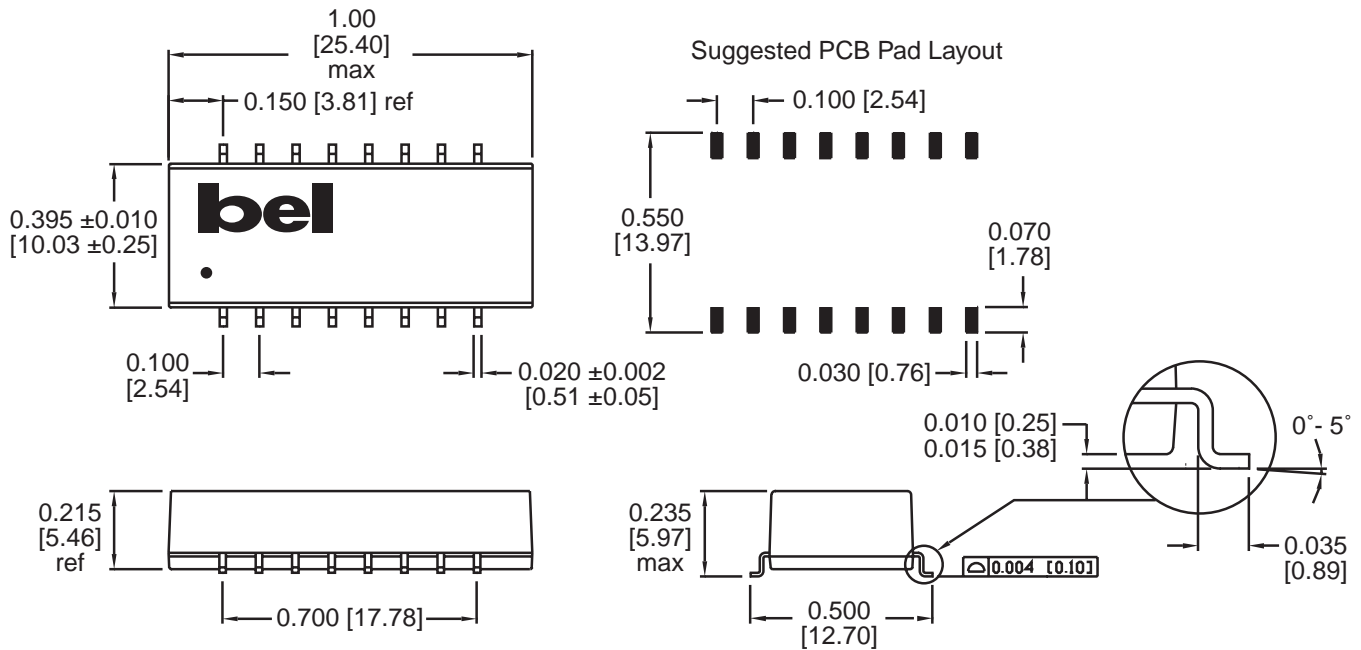


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### MECHANICAL

S560-6600-R1



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

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