

ADSL Magnetics

For Analog Devices AD20MSP918 (Custom)

- Designed to meet IEC 950 safety requirements for supplementary insulation at 250V
- Minimum interwinding breakdown voltage of 1500 Vrms
- Developed for custom CO designs requiring a 1 : 1.4 turns ratio
- 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 ² mH ±10% | Leakage Inductance µH max | DCR Ω max | | Longitudinal Balance ¹ db min | Insertion Loss ¹ dB max | Frequency Response ¹ dB | Harmonic Distortion ¹ dB max |
|--------------|---------|---------------------|------------------------------------|---------------------------------|-----------------|-----------|--|--|--|---|
| | | Chip : Line | Chip Side | Chip Side | Chip Side | Line Side | 30 kHz - 1.1 MHz | 300 kHz | 30 kHz - 1.1 MHz | 30 kHz Vrms |
| S560-6600-B3 | SMD | 1 : 1.417 | 2 | 7 | 4 | 4 | 46 | 0.5 | ± 0.5 | -80 |
| 0560-6600-A1 | THT | 1 : 1.417 | 2 | 7 | 4 | 4 | 46 | 0.5 | ± 0.5 | -80 |

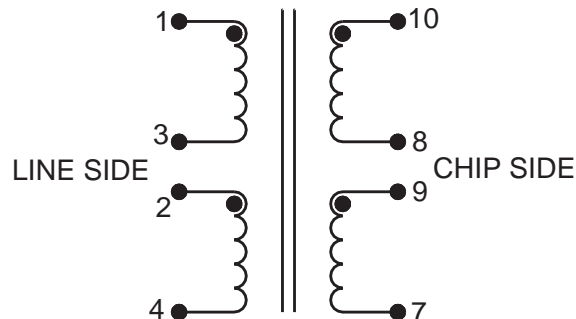
All measurements are made with pins 2 and 3 connected and pins 8 and 9 connected

1. Source resistance equals 100Ω

2. measured at 10 kHz, 0.1 Vac

SCHEMATIC

S560-6600-B3
0560-6600-A1

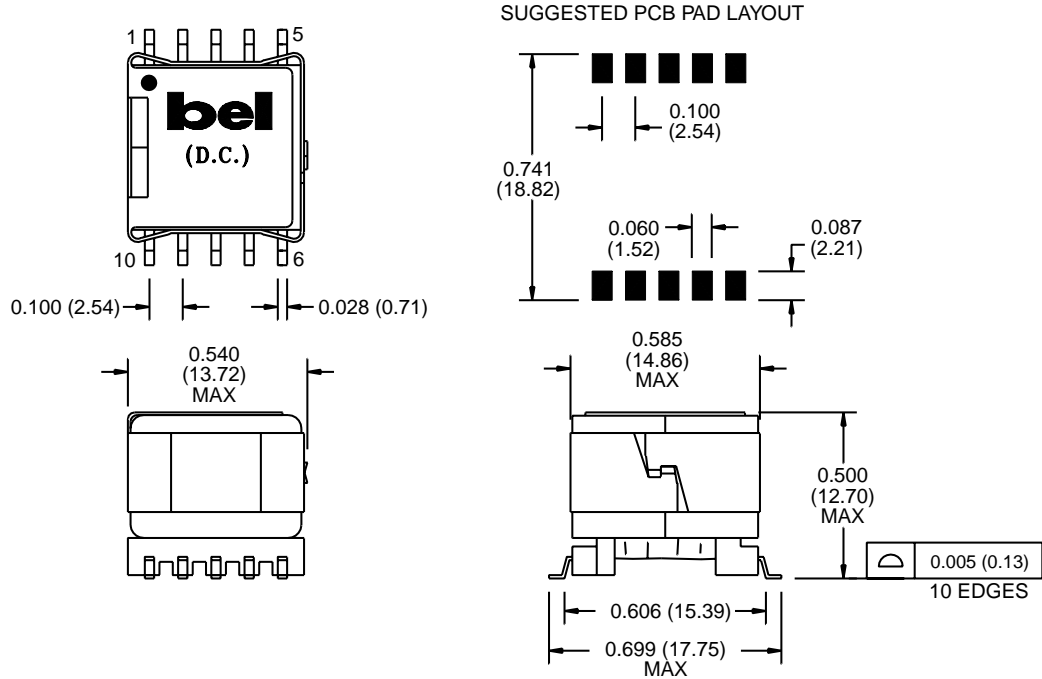


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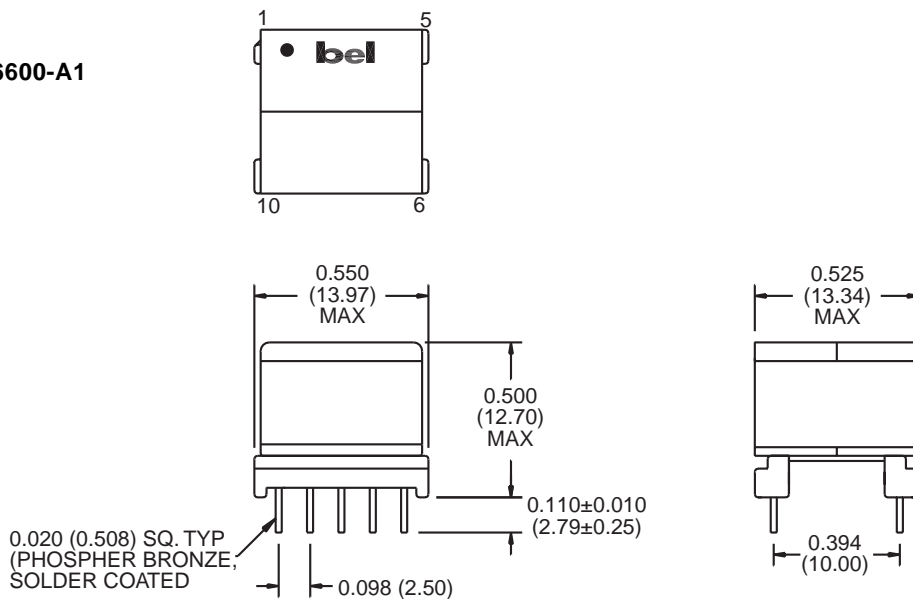
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MECHANICAL

S560-6600-B3



0560-6600-A1



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CORPORATE

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