

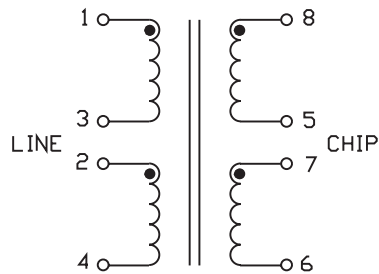
## ADSL MAGNETICS

S560-6600-ET

### ELECTRICAL CHARACTERISTICS (@25°C)

NOMINAL TURNS RATIO: (8-6) : (1-4) CONNECT TERMINALS 2 TO 3 & 5 TO 7	1 : 2
DC RESISTANCE: (1-3) (2-4) (7-6) (8-5)	0.5 $\Omega$ MAX 0.5 $\Omega$ MAX 0.38 $\Omega$ MAX 0.22 $\Omega$ MAX
INDUCTANCE @ 10 kHz, 0.1 V <sub>rms</sub> : (1-4) CONNECT TERMINALS 2 TO 3	410 $\mu$ H $\pm$ 5%
MAXIMUM LEAKAGE INDUCTANCE: (1-4) CONNECT TERMINALS 2 TO 3 & 5 TO 7 SHORT TERMINALS 5, 6, 7 & 8	5 $\mu$ H
DIRECT CAPACITANCE: BETWEEN (1-4) & (8-6) CONNECT TERMINALS 2 TO 3 & 5 TO 7	50 pF MAX
MINIMUM DIELECTRIC RATING: BETWEEN (1-4) & (8-6) CONNECT TERMINALS 2 TO 3 & 5 TO 7	2000 V <sub>rms</sub>

### SCHEMATIC



### PERFORMANCE SPECIFICATIONS

LONGITUDINAL BALANCE:  
50dB MIN, 20 kHz - 1.1 MHz

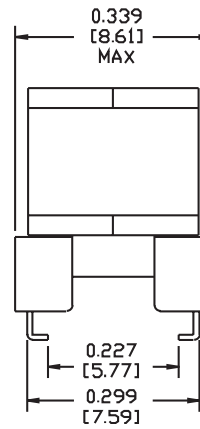
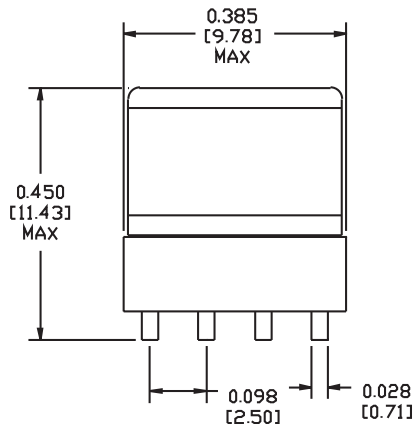
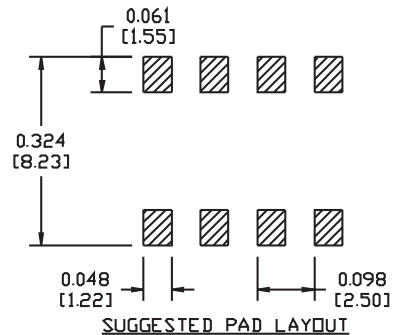
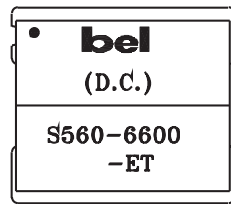
TOTAL HARMONIC DISTORTION:  
+5 dBm @ 5 kHz ACROSS 100 $\Omega$  LOAD ON LINE SIDE  
ALL HARMONICS SHOULD BE 61 dB BELOW THE  
FUNDAMENTAL

COMPLIES WITH UL1950  
OPERATING TEMPERATURE RANGE: -40°C TO +85°C  
DESIGNED TO COMPLY WITH UL1950, EN60950, BABT, CSA950, AND AS/N253260  
SUPPLEMENTARY INSULATION FOR A PRIMARY CIRCUIT AT  
250 V<sub>rms</sub> WORKING VOLTAGE  
DESIGNED TO COMPLY WITH GR-1089-CORE SECOND LEVEL LIGHTNING SURGE



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