

TITLE TRANSFORMER,
G. SHDSL



1000 PARKERS LAKE ROAD
WAYZATA, MN 55391
(952) 475-1173

AGENCY APPROVAL:
BABT NC/011261

PART NUMBER 37521
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SPECIFICATIONS

-Designed to meet EN60950 for a working voltage of 250 Vrms
-Operating temperature: -40°C TO +85°C
-Meets Telcordia GR1089, surge 1 of table 4-3 (5.0KV,2x10us)
20 pulses at 10 second intervals with alternate polarities.

1. INDUCTANCE: 0.1 VRMS, 10 kHz

1-5 TIE 4&2
100 mADC = 1.99 TO 2.15 mH (2.07mH +/- 4%)
0 mADC = 1.998 to 2.142 mH (2.07 ± 3.5%)

2. LEAKAGE INDUCTANCE: 0.1 VRMS, 100 kHz

1-5 TIE 4&2, SHORT (9-7) = 15 µH MAX

3. TURNS RATIO: 1-5 (TIE 4&2) : 9-7 = 4 : 1 ± 1%

4. DC RESISTANCE: OHMS MAX

9-7 = 0.50
1-5 (TIE 4&2) = 2.80

5. DIELECTRIC STRENGTH:

1500 VAC, 1 Minute (ALT. 2500VDC, 1 Second, 1800 VAC 1 Second)
Primary to Secondary - Safety Critical
720 VAC, 1 Minute (ALT. 1000 VDC, 1 Second)
Terminal #1 to Terminal #2

6. LONGITUDINAL BALANCE:

20 kHz TO 500 kHz = 55 dB MIN

7. FREQUENCY RESPONSE: 40 kHz TO 500 kHz = ± 0.25 db

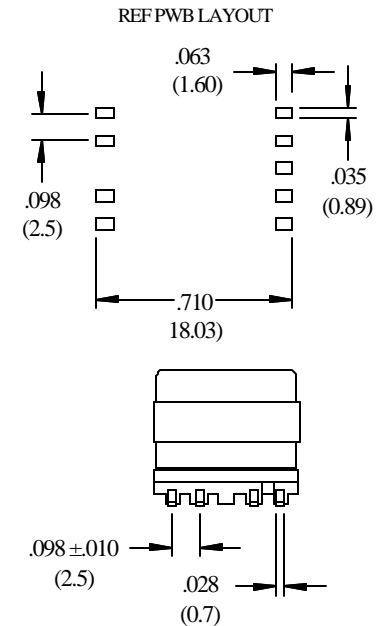
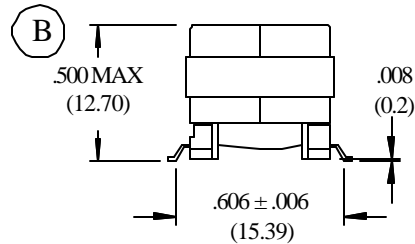
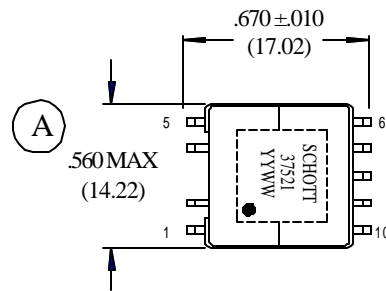
8. RETURN LOSS: 15 dB MIN, 40 kHz TO 500 kHz,

REF = 135 OHMS, RI = 8.4 OHMS

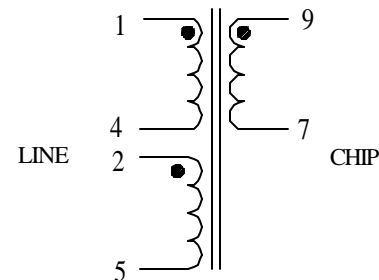
9. INSERTION LOSS: 0.5 dB MAX, 100 kHz,

Rs = 135 OHMS, RI = 8.4 OHMS

10. THD: 5 kHz, 2.00Vrms = -75dB MAX



NOTE:
COPLANARITY < .004 (0.10)



inch
(mm)

TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE	3 PLACE	ANGLE
	± .02	.005	± °