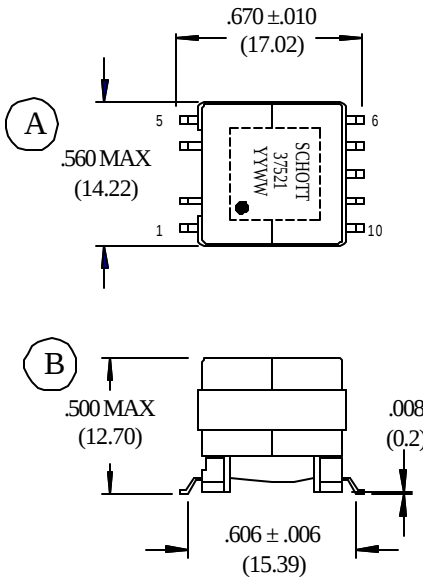


TITLE	TRANSFORMER, G. SHDSL	 1000 PARKERS LAKE ROAD WAYZATA, MN 55391 (952) 475-1173	AGENCY APPROVAL: BABT NC/011261	PART NUMBER 37521	
				REV 5	PAGE 1 END

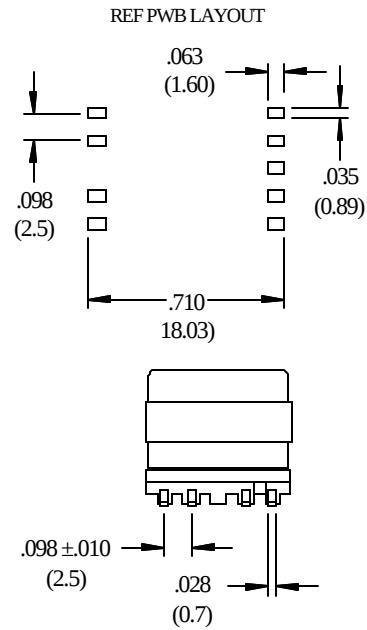
SPECIFICATIONS

-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.

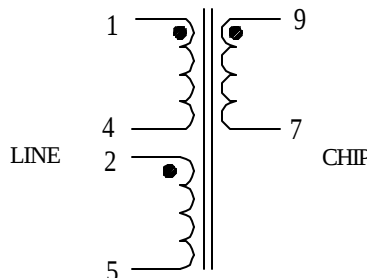
- INDUCTANCE: 0.1 VRMS, 10 kHz**
 1-5 TIE 4&2
 100 mADC = 1.99 TO 2.15 mH (2.07mH +/- 4%)
 0 mADC = 1.998 to 2.142 mH (2.07 ± 3.5%)
- LEAKAGE INDUCTANCE: 0.1 VRMS, 100 kHz**
 1-5 TIE 4&2, SHORT (9-7) = 15 µH MAX
- TURNS RATIO: 1-5 (TIE 4&2) : 9-7 = 4 : 1 ± 1%**
- DC RESISTANCE: OHMS MAX**
 9-7 = 0.50
 1-5 (TIE 4&2) = 2.80
- 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
- LONGITUDINAL BALANCE:**
 20 kHz TO 500 kHz = 55 dB MIN
- FREQUENCY RESPONSE: 40 kHz TO 500 kHz = ± 0.25 db**
- RETURN LOSS: 15 dB MIN, 40 kHz TO 500 kHz,**
 REF = 135 OHMS, RI = 8.4 OHMS
- INSERTION LOSS: 0.5 dB MAX, 100 kHz,**
 Rs = 135 OHMS, RI = 8.4 OHMS
- THD: 5 kHz, 2.00Vrms = -75dB MAX**



REF PWB LAYOUT



NOTE:
 COPLANARITY < .004 (0.10)



inch (mm)	TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE ± .02	3 PLACE .005	ANGLE ± °
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