TITLE		AGENCY APPROVAL:	PART NUMBER 37300
TRANSFORMER, ADSL	SCHOTT CORPORATION 1000 PARKERS LAKE ROAD WAYZATA. MN 55391 (952) 475-1173	BABT #NC/000126 UL E145198	REV C PAGE 1 END

SPECIFICATIONS

Designed to meet UL1950/EN60950 with supplementary insulation for a working voltage of 250V.

TEMP CLASS: 105° C, Flammability: UL 94V-O
Operating Temperature Range -40°C to +85°C

1. INDUCTANCE: @ 0.1 V, 10 kHz
   8-6-7-5 = 450.3 TO 497.7 µH

2. LEAKAGE INDUCTANCE: @ 0.1 VRMS, 100 kHz
   8-5 tie 6&7 (short 1&3, 2&4) = 5 µH MAX

3. IWC: @ 0.1 VRMS, 100 kHz
   1 TO 8, TIE 1&4, 2&3, 6&7, 5&8 = 50 pF MAX

4. TURNS RATIO: 8-6 : 7-5 : 1-3 : 2-4 = 1.41 : 1.41 : 1 : 1 ± 1%

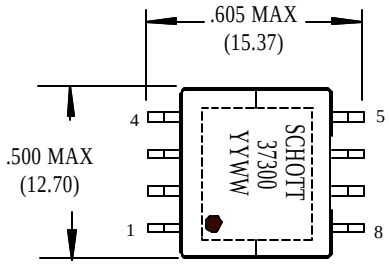
5. DC RESISTANCE: OHMS MAX
   8-6 = 1.05
   7-5 = 1.05
   1-3 = 0.204
   2-4 = 0.270

6. HIPOT: 1500 VRMS, 1 MINUTE
   (1800 VRMS OR 2500 VDC FOR 1 SECOND)
   1&2 TO 8&7
   1,2,8 & 7 TO CORE

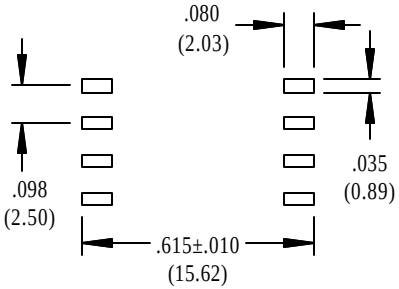
7. LONGITUDINAL BALANCE: V1 = 0 dBM @ 20 kHz TO
   1 MHz, Rs = 100 OHMS, Rl = 50 OHMS,
   LINE = 8-6-7-5, CHIP = 1-3-2-4, V2 = 50 dB MIN.

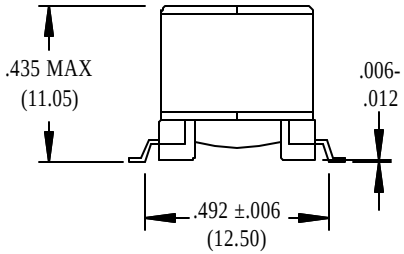
8. HARMONIC DISTORTION: Rs = 100 OHMS, Rl = 50 OHMS,
   LINE = 8-6-7-5, CHIP = 1-3-2-4, V1 = 15 Vp-p(5.32 VRMS)
   @ 40 kHz, V2 = -69 dB MAX @ 200 kHz = -80 dB MAX

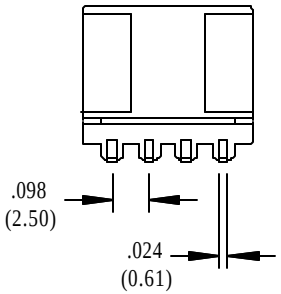
9. INSERTION LOSS: = 0.6 dB MAX @ 150 kHz TO 1.5 MHZ,
   Rs = 100 OHMS, Rl = 50 OHMS,
   LINE = 8-6-7-5, CHIP = 1-3-2-4



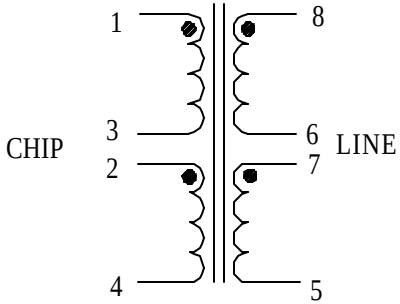
REF: PWB PATTERN







NOTE:
COPLANARITY ≤.004 (0.10)
CORE ALIGNMENT ≤.010



inch
(mm)

TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE	3 PLACE	ANGLE
	± .02	± .010	± °

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