

TITLE

TRANSFORMER, ADSL



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

AGENCY APPROVAL:
BAPT #NC/000126
UL E145198

PART NUMBER

37300

REV C

PAGE

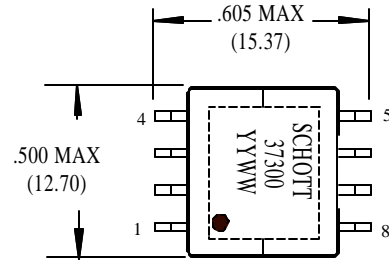
1 END

SPECIFICATIONS

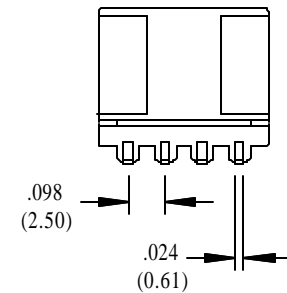
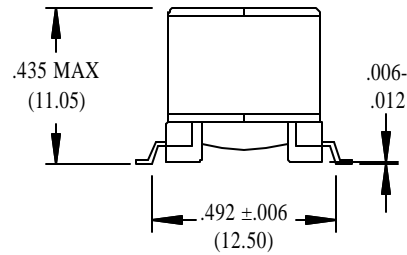
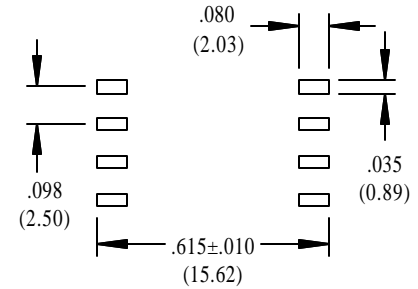
Designed to meet UL1950/EN60950 with supplementary insulation for a working voltage of 250V.

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

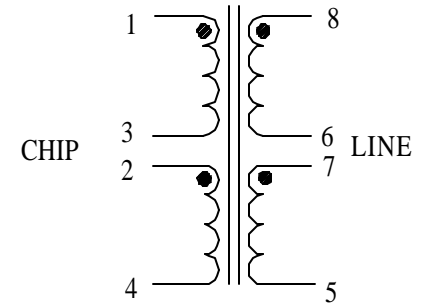
1. INDUCTANCE: @ 0.1 V, 10 kHz
8-6-7-5 = 450.3 TO 497.7 μH
2. LEAKAGE INDUCTANCE: @ 0.1 VRMS, 100 kHz
8-5 tie 6&7 (short 1&3, 2&4) = 5 μH MAX
3. IWC: @ 0.1 VRMS, 100 kHz
1 TO 8, TIE 1&4, 2&3, 6&7, 5&8 = 50 pF MAX
4. TURNS RATIO: 8-6 : 7-5 : 1-3 : 2-4 = 1.41 : 1.41 : 1 : 1 ± 1%
5. DC RESISTANCE: OHMS 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	± °