

TITLE

TRANSFORMER, ADSL



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

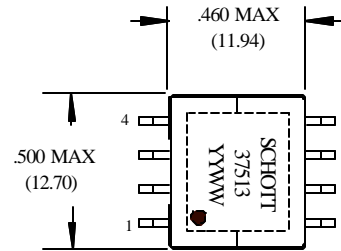
AGENCY APPROVAL:  
BABT PENDING

PART NUMBER		37513
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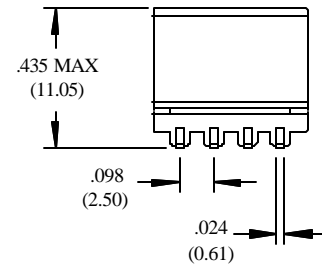
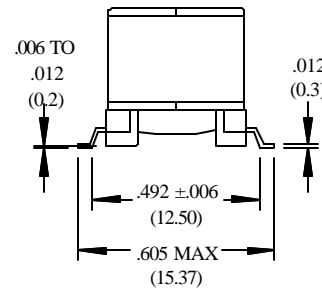
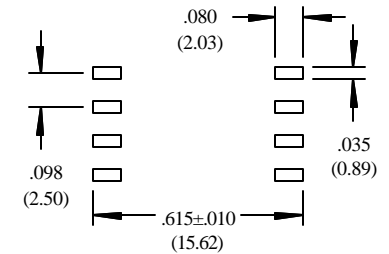
SPECIFICATIONS

Designed to meet UL1950/EN60950 with supplementary insulation for a working voltage of 250V.  
TEMP CLASS: 105° C, FLAMABILITY: UL94V-0  
OPERATING TEMPERATURE RANGE -40°C TO +85°C

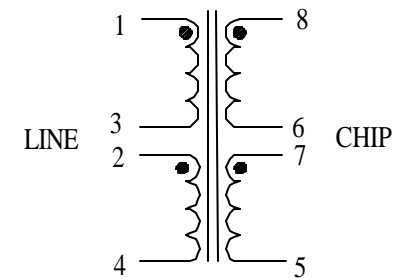
1. INDUCTANCE: @ 0.1 Vrms, 10 kHz  
1-3-2-4 = 380 TO 420 μH
2. LEAKAGE INDUCTANCE: @ 0.1 VRMS, 100 kHz  
1-4 TIE 2&3, SHORT 8&6,7&5 = 7.5 μH MAX
3. IWC: @ 100 kHz, 0.1 Vrms  
1-4 TO 8-5 (tie 3&2, 6&7) = 40 pF MAX
4. TURNS RATIO: 1-3 : 2-4 : 8-6 : 7-5 = 1.92 : 1.92 : 1 : 1 ± 1%
5. DC RESISTANCE: OHMS MAX  
1-3 = 0.550      8-6 = 0.25  
2-4 = 0.550      7-5 = 0.25
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 @ 100 kHz  
Rs = 100 OHMS, Rl = 27.7 OHMS,  
LINE = 1-3-2-4, CHIP = 8-6-7-5, V2 = 60 dB MIN.
8. HARMONIC DISTORTION: Rs = 100 OHMS, Rl = 27.7 OHMS,  
LINE = 1-3-2-4, CHIP = 8-6-7-5, V1 = 15 Vp-p(5.32 VRMS)  
@ 40 kHz, V2 = -72 dB MAX  
@ 100 kHz, V2 = -80 dB MAX



REF: PWB LAYOUT



NOTE:  
COPLANARITY < .004 (0.10)  
CORE ALLIGNMENT <= .010



inch  
(mm)

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