

**TITLE**  
**TRANSFORMER,ADSL**

**SCHOTT**  
 COPORATION 1000 PARKERS LAKE ROAD  
 WAYZATA, MN 55391

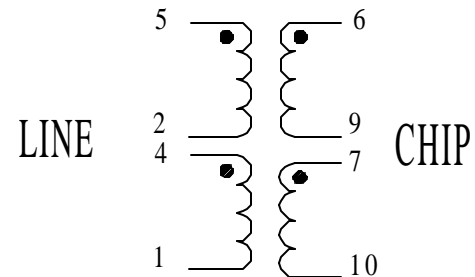
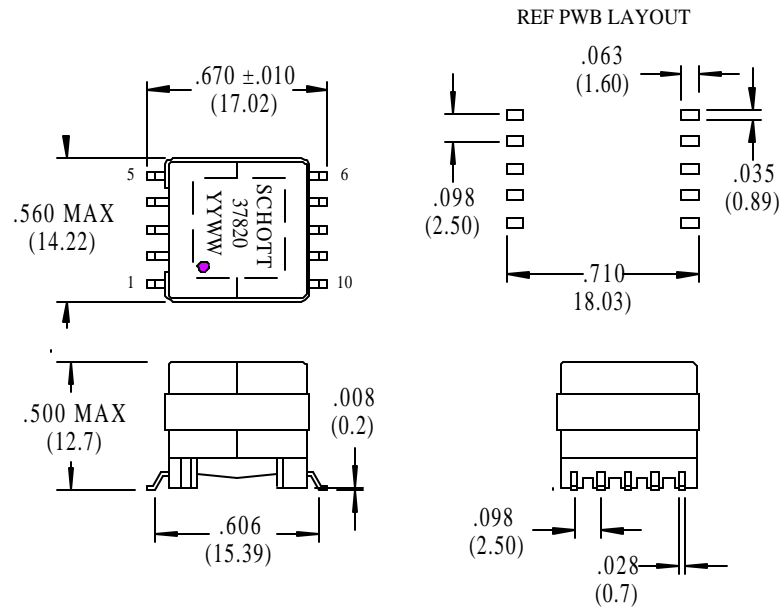
**AGENCY APPROVAL**  
 N / A

**PART NUMBER** 37820  
 REV S2 PAGE 1 END

**SPECIFICATIONS**

TEMP CLASS 130° C  
 Designed to meet UL 1950/IEC-950 requirments  
 Working voltage 250 Vrns,supplementary insulation.

1. INDUCTANCE: @ 0.1 VRMS, 10 kHz  
 1-5 TIE(2-4) = 100uH±5%
2. LEAKAGE INDUCTANCE: @ 0.1 VRMS, 100 kHz  
 5-2-4-1 TIE (6-9-7-10) = 9uH MAX
3. IWC: @ 0.1VRMS, 100 kHz  
 5-2-4-1 TO 6-9-7-10 = 50pF MAX
4. TURNS RATIO: @ 0.1VRMS, 10kHz  
 5-2 : 4-1= 6-9 : 7-10 = 2:1± 1%
5. DC RESISTANCE: OHMS MAX  
 5-2 = 4-1 = 0.520  
 6-9 = 7-10 = 0.240
6. DIELECTRIC STRENGTH:  
 1800 VAC FOR 1 SECOND  
 5-2-4-1 TO 6-9-7-10 SAFETY CRITICAL, ALL WINDINGS TO CORE
7. LONGITUDINAL BALANCE: 50 dB MIN@ 25kHz to 1.1MHz  
 Rs = 100 OHMS, Rl = 25  
 LINE = 5-2-4-1, CHIP = 6-9-7-10
8. HARMONIC DISTORTION:  
 V1 = 3 Vp-p (1.061 VRMS) @ 50kHz, Rs = 100 OHMS  
 Rl = 25 OHMS, LINE = 5-2-4-1, CHIP = 6-9-7-10  
 V2 = -83 dB MAX
9. INSERTION LOSS 1.00dB MAX, @ 500kHz  
 Rs = 100 OHMS, Rl = 25 OHMS  
 LINE = 5-2-4-1, CHIP = 6-9-7-10



inches  
(mm)

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