

TITLE
TRANSFORMER,ADSL

SCHOTT
 COPORATION 1000 PARKERS LAKE ROAD
 WAYZATA, MN 55391

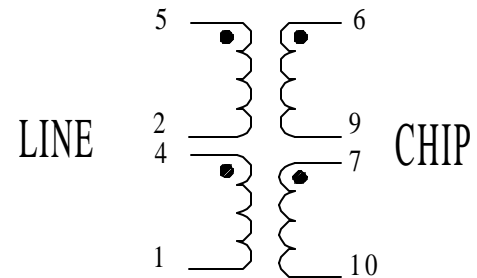
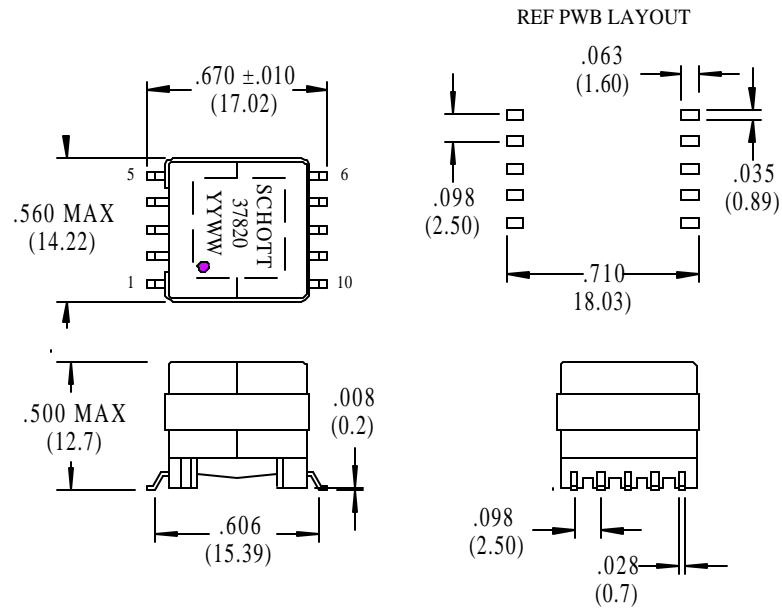
AGENCY APPROVAL
 N / A

PART NUMBER 37820
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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	+ °