

TITLE TRANSFORMER, ADSL	SCHOTT CORPORATION 1000 PARKERS LAKE ROAD WAYZATA, MN 55391 (952) 475-1173	AGENCY APPROVAL: BABT CERT: NC/000122 UL CERT: E145198	PART NUMBER 36313		
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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: @ 100 mVrms, 10 kHz
1-3-2-4 = 356.25 TO 393.75 µH

2. LEAKAGE INDUCTANCE: @ 0.1 VRMS, 100 kHz
1-4 TIE 2&3, SHORT 8&6, 7&5 = 6 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 : 1 : 1 : 1 ± 1%

5. DC RESISTANCE: OHMS MAX
1-3 = 1.0
2-4 = 1.0
8-6 = 0.30
7-5 = 0.38

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 TO 1 MHz, Rs = 100 OHMS, RI = 100 OHMS,
LINE = 1-3-2-4, CHIP = 8-6-7-5, V2 = 40 dB MIN.

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

REF: PWB PATTERN

NOTE:
COPLANARITY < .004 (0.10)

LINE

CHIP

inch
(mm)

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