



TITLE

TRANSFORMER ADSL CUSTOMER PREMISE

PN

33818

REV

R

AGENCY APPROVAL: UL - E145198, BABT CERT 610066

SH

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OF

6

**SPECIFICATIONS:**

TEMP CLASS 105°C

Designed to meet UL1950/IEC-950 Requirements

Working voltage 250 Vrms, Supplementary Insulation.

1. INDUCTANCE: @ 0.1 Vrms, 10 KHz, 1-4 = 1.425 TO 1.575 mH

2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 KHz

1-4 (SHORT 10-7) = 15 µH MAX

3. IWC: @ 100 KHz, 0.1 Vrms, 1-4 TO 10-7 = 35 pF MAX

4. TURNS RATIO: 10-7 : 1-4 = 1 : 1.95 ± 2%

5. DC RESISTANCE: OHMS

1-4 = 2.0 MAX

10-7 = 0.55 MAX

6. LONGITUDINAL BALANCE:

V1 = 0 dBm @ 100 kHz

Rs = 100 OHMS, RI = 25 OHMS

LINE = 1-4, CHIP = 10-7

V2 = 60 dB MIN

7. DWV: 1500 VAC 1 MINUTE

(2500 Vdc, 1 second minimum automatic test,

2 second minimum manual test)

1-4 TO 10-7, ALL WINDINGS TO CORE

8. TOTAL HARMONIC DISTORTION:

V1 = 15 V p-p (5.32 Vrms)

Rs = 100 OHMS, RI = 25 OHMS

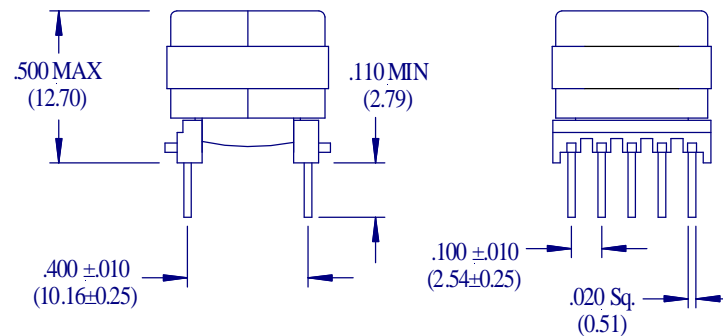
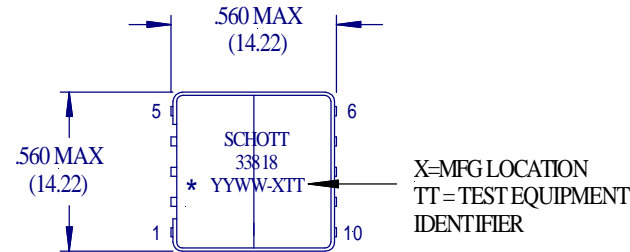
LINE = 1-4, CHIP = 10-7

V2 = -80 dB MAX @ 100 KHz

V2 = -78 dB MAX @ 30 KHz

9. ADHESIVE STRENGTH TEST: 5 PARTS EVERY

2 HOURS MIN BREAKAGE FORCE IS 8 POUNDS



**ALTERNATE LABELING METHOD**

