



TITLE

TRANSFORMER, ADSL

PN

39288

REV

4

AGENCY APPROVAL: PENDING

SH

2

OF

11

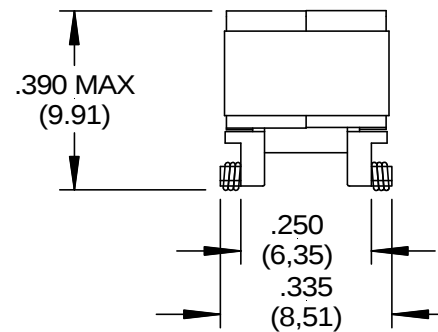
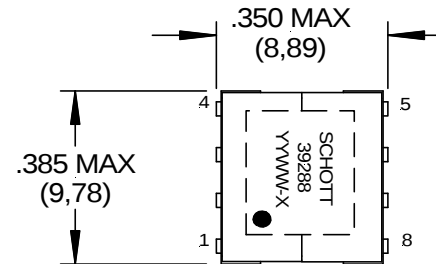
SPECIFICATIONS

Designed to meet UL1950/EN60950 with supplementary insulation for a working voltage of 250V.

TEMP CLASS: 155° C, FLAMABILITY: UL94V-0

OPERATING TEMPERATURE RANGE -40°C TO +85°C

1. INDUCTANCE: @ 0.1 Vrms, 10 kHz
1-3-2-4 = 447 TO 502 μ H (474 μ H NOM)
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 kHz
1-4 TIE 2&3, (SHORT 8&5,7&6) = 5 μ H MAX
3. IWC: @ 100 kHz, 0.1 Vrms
1-4 TO 8-6(tie 3&2, 5&7) = 50 pF MAX
4. TURNS RATIO: 1-3 : 2-4 : 8-5 : 7-6 = 2 : 2 : 1 : 1 $\pm$ 1%
5. DC RESISTANCE: OHMS MAX
1-3 = 1.2 8-5 = 1.0
2-4 = 1.2 7-6 = 1.0
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 @ 20 kHz & 1.0 MHz
V2 = @20kHz = 65 dB MIN
@ 1.0MHz = 45dB Min
8. HARMONIC DISTORTION: V1= 4.24Vrms,150kHz
@150kHz, V2 = -85dB
9. INSERTION LOSS: 150kHz,300kHz,2.2MHz
V2 = @150 kHz = 0.5dB Max
V2 = @ 2.2MHz = 1.0dB Max



NOTE:
COPLANARITY $\leq$.004 (0.10)

REF: PWB PATTERN

