



TITLE

TRANSFORMER, ADSL

PN

39216

REV

3

AGENCY APPROVAL: PENDING

SH

2

OF

11

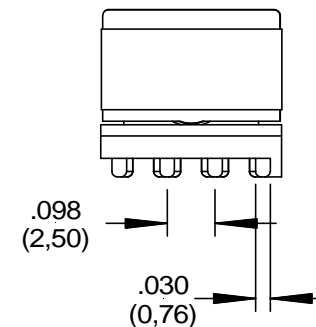
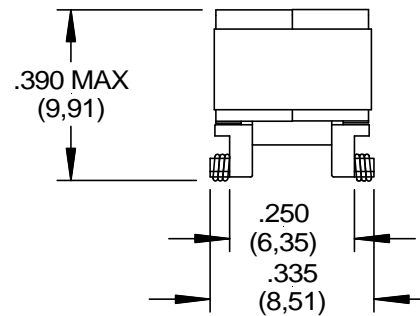
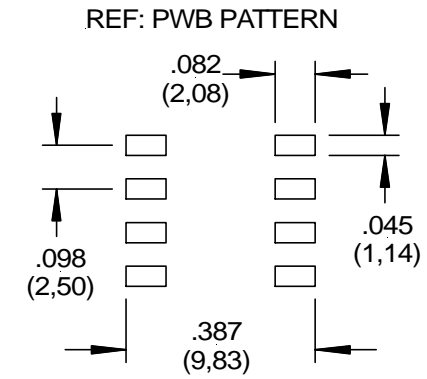
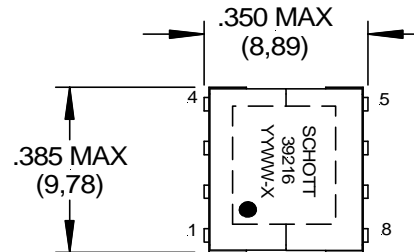
**SPECIFICATIONS**

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 μH (474 μH ±6%)
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 kHz  
1-4 TIE 2&3, (SHORT 8&5,7&6) = 7 μH 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 = 1.15 : 1.15 : 1 : 1 ± 1%
5. DC RESISTANCE: OHMS MAX  
1-4 (TIE3&2) = 2.0  
8-6 (TIE5&7) = 2.2
6. HIPOT: 1500 Vrms, 1 MINUTE  
(1800 Vrms OR 2500 VDC FOR 1 SECOND)  
1&2 TO 8&7
7. LONGITUDINAL BALANCE: V1 = 0 dBm @ 20 kHz & 1.1 MHz  
V2 = 45 dB MIN
8. HARMONIC DISTORTION: V1 = 4.24Vrms, 150kHz  
@150kHz, V2 = -85dB
9. INSERTION LOSS: 150kHz, 300kHz, 1.0MHz  
V2 = @ 150 to 300kHz = 0.5dB Max  
V2 = @ 1.0MHz = 1.0dB Max



NOTE:  
COPLANARITY ≤ .004 (0.10)

