



TITLE

TRANSFORMER, ADSL, CUSTOMER PREMISE

PN

37039

REV

A

AGENCY APPROVAL: NA

SH

2

OF

10

SPECIFICATIONS:

TEMP CLASS 105°C

UL CERTIFICATION: 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 W/ 10-7 SHORTED = 15 µH MAX

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

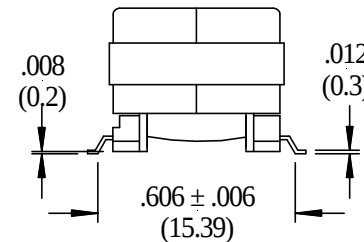
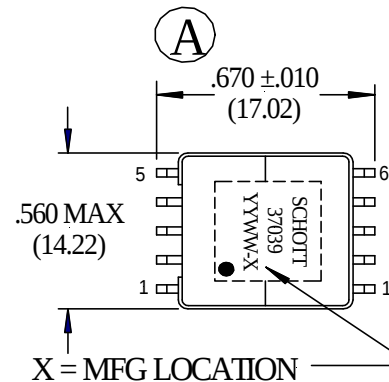
4. TURNS RATIO: 10-7 : 1-4 = 1 : 1.95 ± 2%

5. DC RESISTANCE: OHMS
1-4 = 1.80 MAX
10-7 = 0.75 MAX

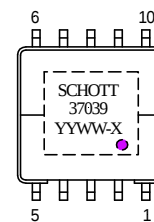
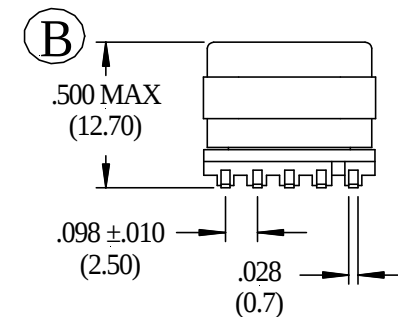
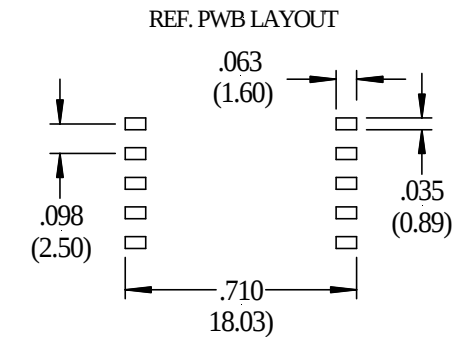
6. LONGITUDINAL BALANCE:
V1 = 0 dBm @ 100 kHz, Rs = 100 OHMS,
RI = 25 OHM LOAD, LINE = 1-4, CHIP =
10-7, V2 = 60 dB MIN

7. DIELECTRIC STRENGTH: 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

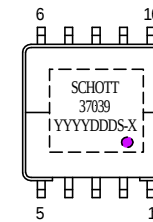
8. HARMONIC DISTORTION: V2 = -80 dB MAX.
V1 = 5.32 Vrms @ 100 KHz
Rs = 100 Ohm input, RI = 25 Ohm load
Line = 1-4, Chip = 10-7



NOTE:
COPLANARITY < .004 (0.10)



MANUAL
OPERATION
LABEL (LABEL
MUST HAVE
FOUR LINES)



AUTOMATED
OPERATION
LABEL (LABEL
MUST HAVE
FOUR LINES)

