TITLE				PART NUMBER
TRANSFORMER, ADSL CUSTOMER PREMISE	SCHOTT CORPORATION 1000 PARKERS LAKE ROAD WAYZATA. MN 55391 (952) 475-1173	AGENCY APPROVAL UL #: E145198		32828
			REV L	PAGE 1 END

SPECIFICATIONS

TEMP CLASS 105°C
UL CERTIFICATION: WORKING VOLTAGE 120 VRMS,
200 Vpk, 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

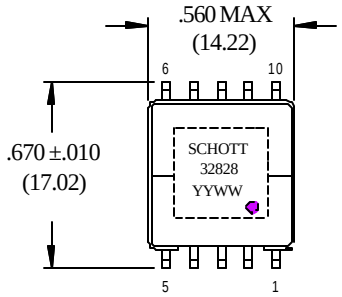
4. TURNS RATIO: 10-7 : 1-4 = 1 : 1.95 ± 2%

5. DC RESISTANCE: OHMS
   1-4 = 2.0 MAX
   10-7 = 0.55 MAX

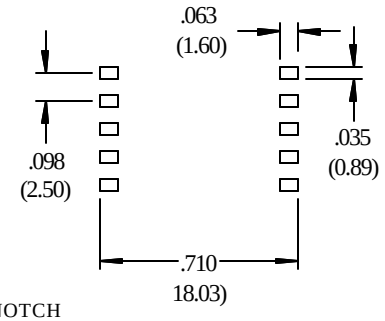
6. LONGITUDINAL BALANCE:
   V1 = 0 dBm @ 100 kHz, Rs = 100 OHMS,
   Rl = 25 OHM LOAD, LINE = 1-4, CHIP =
   10-7, V2 = 60 dB MIN

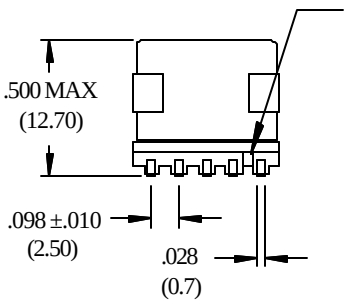
7. DIELECTRIC STRENGTH: 1500 Vac, 1 minute
   (2500 VDC, 1 second minimum automatic test
   2 second minimum manual test)
   1-4 TO 10-7
   ALL WINDINGS TO CORE

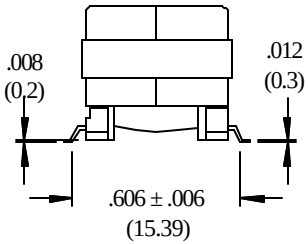
8. HARMONIC DISTORTION:
   V = 5.32 Vrms @ 100 KHz
   Rs = 100 Ohm input, Rl = 25 Ohm load
   Line = 1-4, Chip = 10-7
   V2 = -80 dB MAX.



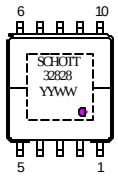
REF PWB LAYOUT



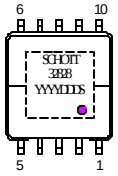




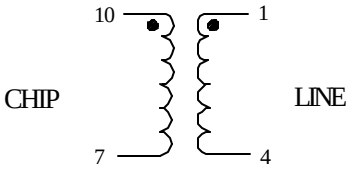
NOTE:
COPLANARITY < .004 (0.10)



MANUAL OPERATION LABEL (LABEL MUST HAVE FOUR LINES)



AUTOMATED OPERATION LABEL (LABEL MUST HAVE FOUR LINES)



inches
(mm)

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

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