

**TITLE**

**TRANSFORMER, ADSL  
CUSTOMER PREMISE**



1000 PARKERS LAKE ROAD  
WAYZATA, MN 55391  
(952) 475-1173

**AGENCY APPROVAL:**  
**BABT CERT # : 610066**  
**UL #: E145198**

**PART NUMBER**  
**32824**  
REV H PAGE 1 END

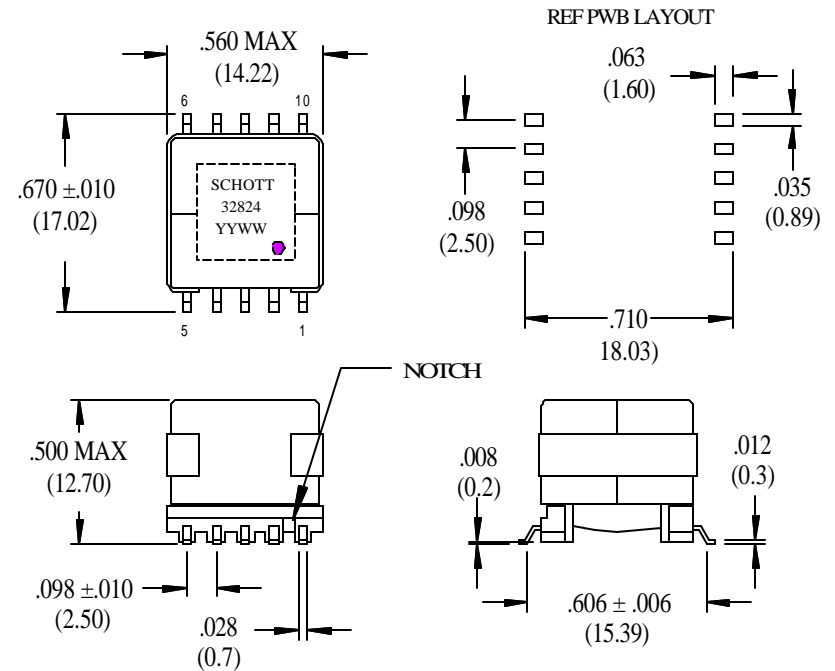
**SPECIFICATIONS**

TEMP CLASS 105°C

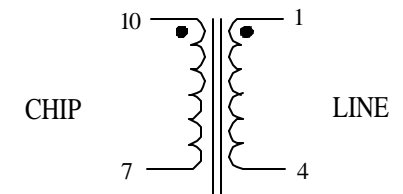
DESIGNED TO MEET UL1950/IEC-950 REQUIREMENTS

Working voltage: 120 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 = 18 μH MAX
3. IWC: 1-4 TO 10-7 @ 100 kHz, 0.1Vrms = 35 pF MAX
4. TURNS RATIO: 10-7 : 1-4 = 1 : 1.423 ± 2%
5. DC RESISTANCE: OHMS  
1-4 = 4.0 MAX  
10-7 = 0.70 MAX
6. LONGITUDINAL BALANCE:  
V1 = 0 Dbm @ 100 kHz, Rs = 100 OHMS  
Rl = 48.9 OHM, 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:  
V1 = 5.32 v @ 100 kHz, Rs = 100 OHM INPUT  
Rl = 48.9 OHM LOAD, LINE = 1-4, CHIP = 10-7  
V2 = -80 dB MAX



**NOTE:**  
COPLANARITY < .004 (0.10)



inches  
(mm)

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