

**TITLE**

**TRANSFORMER, ADSL,  
CP**

**SCHOTT  
CORPORATION**

1000 PARKERS LAKE ROAD  
WAYZATA, MN 55391

**Agency Approval:  
BABT CERT # 610066  
UL #: E145198**

PART NUMBER

**31640**

REV D

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**SPECIFICATIONS**

TEMP CLASS 105°C

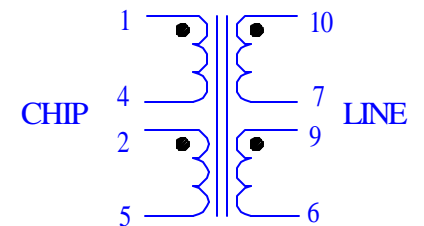
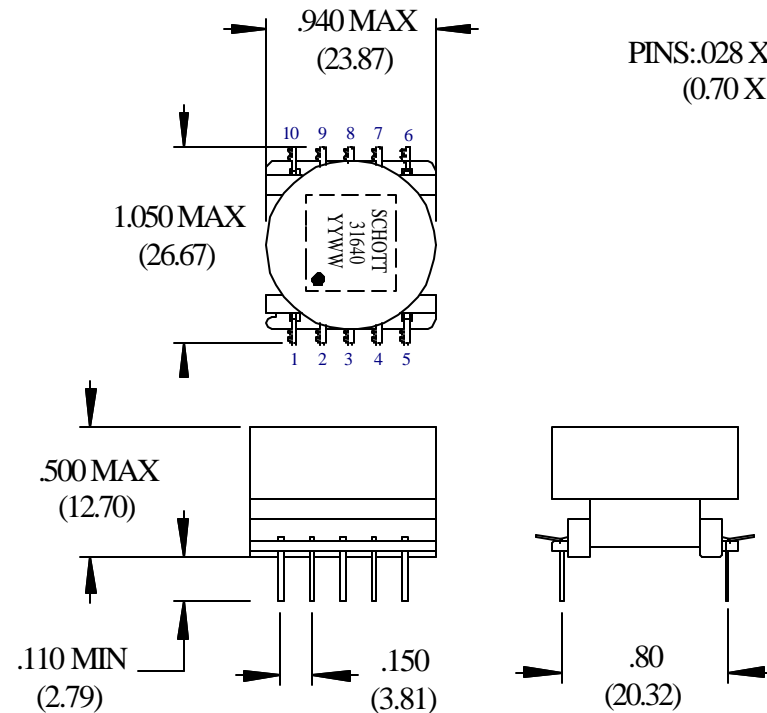
BABT certification: Working Voltage: 250 Vrms, Supplementary Insulation

UL certification: Working voltage 120 Vrms, 200 Vpk, supplementary Insulation

1. INDUCTANCE: @ 0.1 Vrms, 10 KHz,  
1-4-2-5 = 418 TO 462 μH
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 KHz  
1-4-2-5 W/ 10-7-9-6 SHORTED = 15 μH MAX
3. IWC: 1-4-2-5 TO 10-7-9-6 @ 100 KHz = 30 pF MAX
4. TURNS RATIO: 1-4 : 2-5 : 10-7 : 9-6 = 1 : 1 : 1 : 1 ± 2%
5. DC RESISTANCE: OHMS MAX  
1-4, 2-5 = 0.50  
10-7, 9-6 = 1.00
6. LONGITUDINAL BALANCE:  
V1 = 0 dBm, Rs = Rl = 100 OHMS,  
LINE = 10-7-9-6, CHIP = 1-4-2-5,  
V2 = 60 dB MIN
7. DIELECTRIC STRENGTH: 1500 Vac, 1 minute  
(2500 VDC, 1 second minimum automatic test,  
2 seconds minimum manual test)  
1-4-2-5 TO 10-7-9-6
8. HARMONIC DISTORTION:  
V1 = 5.32 VRMS (15 Vp-p) @ 100 KHz, V2 = -80 dB MAX  
@ 40 KHz, V2 = -70 dB MAX, Rs = Rl = 100 OHMS,  
LINE = 10-7-9-6, CHIP = 1-4-2-5

inches  
(mm)

PINS: .028 X .045  
(0.70 X 1.10)



TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE	3 PLACE	ANGLE
	+ .02	+ .005	+ °