

**TITLE**  
**TRANSFORMER, ADSL**  
**CENTRAL OFFICE**

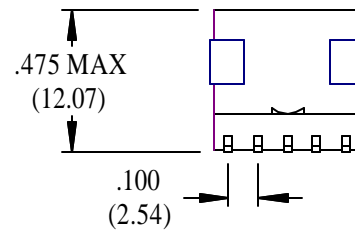
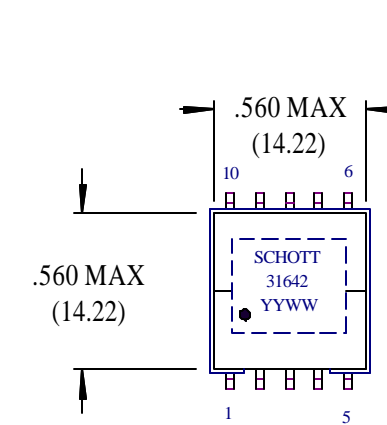
**SCHOTT**  
 CORPORATION  
 1000 PARKERS LAKE ROAD  
 WAYZATA, MN 55391

PART NUMBER  
**31642**  
 REV 3 PAGE 1 END

**SPECIFICATIONS**

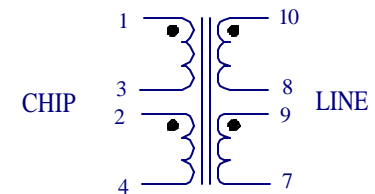
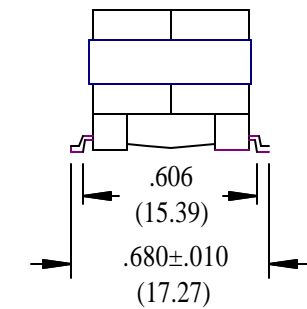
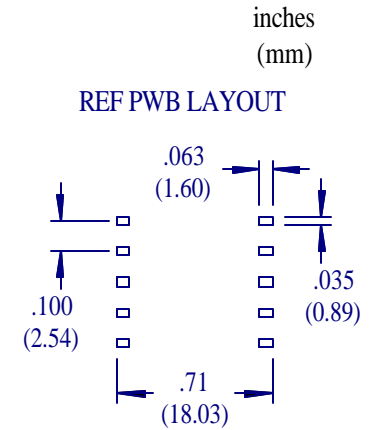
TEMP CLASS 130°C

1. INDUCTANCE: @ 0.1 Vrms, 10 KHz,  
 1-3-2-4 = 900.6 TO 995.4 μH
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 KHz  
 1-3-2-4 W/ 10-8-9-7 SHORTED = 10 μH MAX
3. IWC: 1-3-2-4 TO 10-8-9-7  
 @ 100 KHz, 0.1Vrms = 25 pF MAX
4. TURNS RATIO: 10-8 : 9-7 : 1-3 : 2-4 = 1:1:1.40:1.40 ± 2%
5. DC RESISTANCE: OHMS  
 1-3, 2-4 = 0.90 MAX  
 10-8, 9-7 = 0.70 MAX
6. LONGITUDINAL BALANCE:  
 @ 100 KHz, 10-8-9-7, 100 OHM INPUT = 60 dB MIN  
 @ 100KHz, 1-3-2-4, 196 OHM INPUT = 60 dB MIN
7. DIELECTRIC STRENGTH: 1500 Vac, 1 minute  
 (1800 Vac, 1 second Schott production test)  
 1-3-2-4 TO 10-8-9-7  
 ALL WINDINGS TO CORE
8. HARMONIC DISTORTION:  
 @ 100 KHz, 10-8-9-7, 100 OHM INPUT 15V p-p = -80 dB MAX  
 @ 100 KHz, 1-3-2-4, 196 OHM INPUT, 15V p-p = -80 dB MAX



PINS:  
 .016 X .028  
 (0.40 X 0.70)

NOTE:  
 COPLANARITY OF ±.004  
 ACROSS ALL LEADS



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