

TITLE

TRANSFORMER, ADSL,
CUSTOMER PREMISES

SCHOTT
CORPORATION

1000 PARKERS LAKE ROAD
WAYZATA, MN 55391

PART NUMBER

31537

REV 2

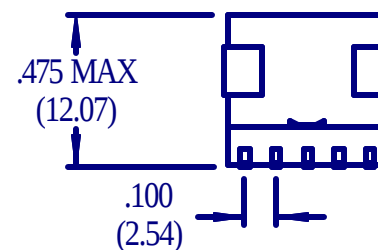
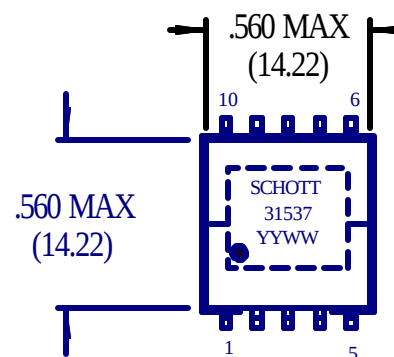
PAGE 1 END

3-21-98

SPECIFICATIONS

TEMP CLASS 130°C

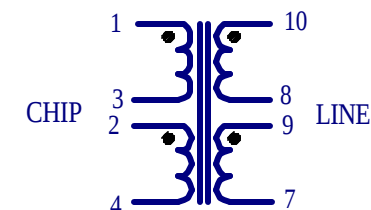
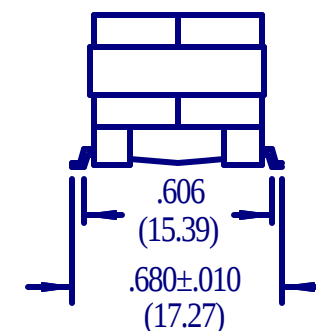
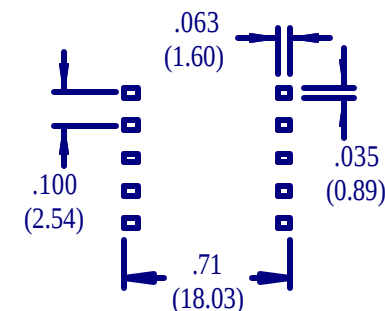
1. INDUCTANCE: @ 0.1 Vrms, 10 KHz,
1-3-2-4 = 386.7 TO 427.4 μ H
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 KHz
1-3-2-4 W/ 10-8-9-7 SHORTED = 10 μ H MAX
3. IWC: 1-3-2-4 TO 10-8-9-7
@ 100 KHz, 0.1Vrms, = 18 pF MAX
4. TURNS RATIO: 1-3 : 2-4 : 10-8 : 9-7 = 1 : 1 : 1 : 1 $\pm$ 2%
5. DC RESISTANCE: OHMS
1-3, 2-4 = 0.50 MAX
10-8, 9-7 = 0.50 MAX
6. LONGITUDINAL BALANCE:
@ 100 KHz, 100 OHMS, = - 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, 100 OHM, 15V p-p, = -80 dB MIN



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

inches
(mm)

REF PWB LAYOUT



TOLERANCES

UNLESS OTHERWISE NOTED

2 PLACE

+ .02

3 PLACE

+ .010

ANGLE

+ °