



TITLE

TRANSFORMER, G. SHDSL

PN

39647

REV

S1

AGENCY APPROVAL: PENDING

SH

2

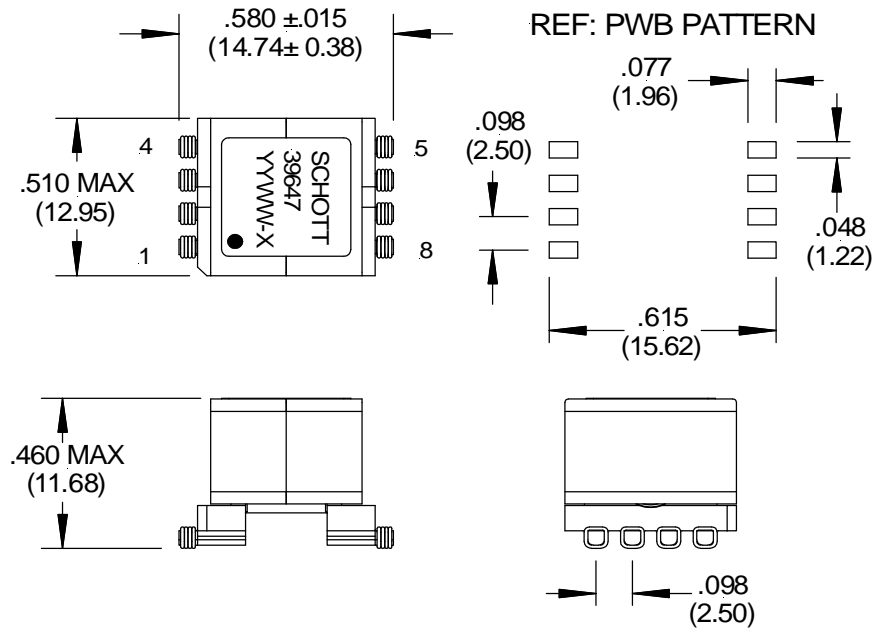
OF

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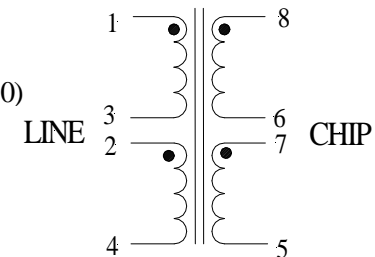
**SPECIFICATIONS**

-Designed to meet UL1950/IEC950 with supplementary isolation for a working voltage <= 250 VRMS  
 -OPERATING TEMPERATURE : -40° tO + 85°C  
 -Designed to meet Telcordia GR 1089, surge 1 of table 4-3 (5.0KV,2x10us) 20 pulses at 10 second intervals with alternate polarities.

1. INDUCTANCE: 0.1 VRMS, 10 kHz, 0 - 20mADC  
 1-4 TIE 3 &2 = 3.0 TO 3.4 mH (3.2mH +/- 6%)
2. LEAKAGE INDUCTANCE: 0.1 VRMS, 100 kHz  
 1-4 TIE 3&2, SHORT (8-6-7-5) =16µH MAX
3. TURNS RATIO: 1-4 (TIE 3&2): 8-5 (TIE 6-7) = 5.46 : 1 : 1 ± 1%
4. INDUCTANCE RATIO: 0.1VRMS,10kHz  
 1-4 (Tie 3-2) = 5.40 : 1± 1%
5. DC RESISTANCE: OHMS Max  
 8-5 (Tie 6-7) = 0.52  
 1-4 (Tie 3-2)=4.0
6. DIELECTRIC STRENGTH: 1500 VRMS, 1Minute  
 (1800VRMS or 2500 VDC for 1Second)  
 1&2 To 8&7, 1,2,8&7 to Core  
 720 VAC, 1Minute, 1-2 (ALT. 1000VDC, 1 Second)
7. LONGITUDINAL BALANCE: 20kHz to 500kHz  
 V2 = 55dB Min
8. RETURN LOSS: 40kHz to 500kHz  
 V2 = @ 40kHz = 15dB Min  
 @500kHz = 14dB Min
9. INSERTION LOSS:  
 V2 = @ 100kHz = 0.7dB MAX
10. IWC: : 100 kHz, 0.1 Vrms, (1,3,2,4) to (8,6,7,5) =120pF MAX
11. THD: 5kHz,2.0Vrms & 4Vrms = -76dB MAX



NOTE:  
 COPLANARITY < .004 (0.10)



INCHES / DECIMAL	.XX = ± .01	.XXX = ±.005	ANGLES ± 1°
MILLIMETERS (mm)	.XX = ± 0.20		