

**TITLE**  
**TRANSFORMER, ADSL**  
**CUSTOMER PREMISE**



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

**AGENCY APPROVAL**  
**UL CERT # E145198**

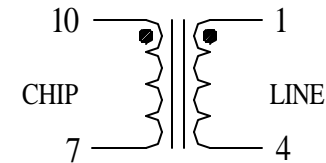
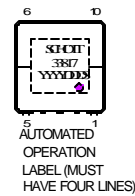
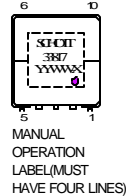
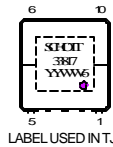
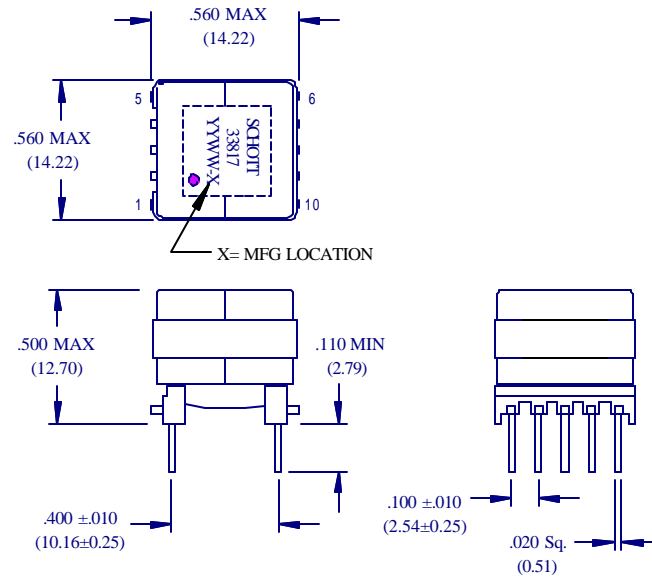
**PARTNUMBER** 33817

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**SPECIFICATIONS**

TEMP CLASS 105°C  
 UL1950 CERTIFICATION: WORKING VOLTAGE 120 VRMS, 200 Vpk,  
 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 INPUT,  
 Rl = 48.9 OHM LOAD, 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 = 15 Vp-p (5.32 Vrms) @ 100 KHz,  
 Rs = 100 ohms, Rl = 48.9 ohms  
 Line = 1-4, Chip = 10-7  
 V2 = -80 dB MAX



inches  
(mm)

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