

TITLE

TRANSFORMER, HDL2



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

AGENCY APPROVAL:
N/A

PART NUMBER

35147

REV 3

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SPECIFICATIONS

TEMP CLASS 130°C

1. INDUCTANCE: @ 0.1 Vrms, 10 KHz, 0-100 mADC
 @ 0 mA 1-5 = (TIE 2&4) = 1.602 - 1.918 mH
 @ 100 mA 1-5 = (TIE 2&4) = 1.584 - 1.936 mH

2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 KHz
 1-2-4-5 W/ 10-8-9-7 SHORTED = 35 µH MAX

3. IWC: @ 100 KHz, 0.1 VRMS
 1-2-4-5 TO 10-8-9-7 = 40 pF MAX

4. TURNS RATIO: 7-8 : 8-9 = 1 : 1 +/- 1%
 1-2-4-5 : 10-8-9-7 = 2.3 : 1 +/- 1%

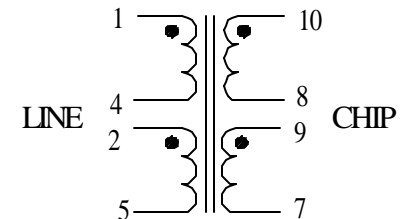
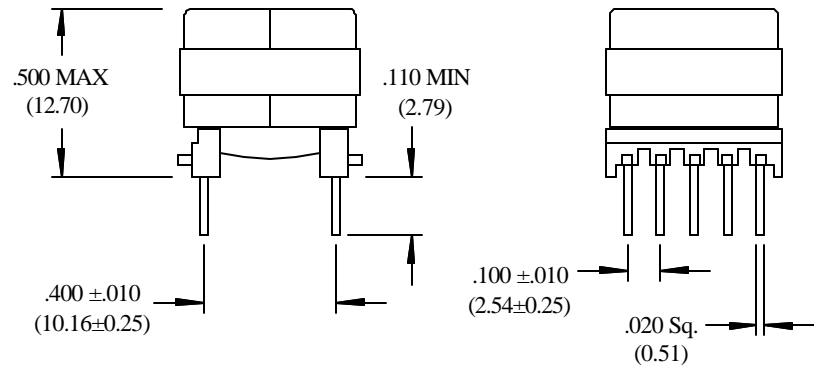
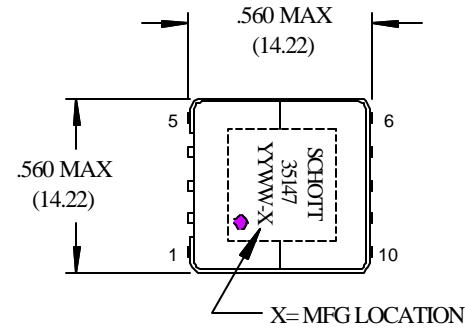
5. DC RESISTANCE: OHMS MAX
 1-2, 4-5 = 0.80
 10-7 (TIE 8&9) = 0.80

6. INSERTION LOSS: @ 560 KHz = 1.1 dB MAX

7. LONGITUDINAL BALANCE: @ 100 KHz
 1-2-4-5, 135 OHMS INPUT = 55 dB MIN
 10-8-9-7 = 25.5 OHM LOAD

8. DIELECTRIC STRENGTH: 1500 VAC, 1 MINUTE
 (1800 Vrms, OR 2500 VDC, 1 SECOND)
 1-2-4-5 TO 10-8-9-7
 ALL WINDINGS TO CORE

9. HARMONIC DISTORTION:
 V1 = @ 20 kHz, (14 Vp-p, 4.95 VRMS) 1-2-4-5,
 135 OHM INPUT
 10-8-9-7 = 25.5 OHM LOAD, V2 = -70 dB MAX
 @ 200 KHz, 4.95 VRMS, V2 = -80 dB MAX



inches
(mm)

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