

TITLE

TRANSFORMER, HDSL,
1178 Kbps, 16 mAdc



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

PART NUMBER

31742

REV 1

PAGE 1 END

SPECIFICATIONS

TEMPERATURE CLASS 105° C

1. INDUCTANCE: @ 0.1Vrms, 10 kHz
(1-4-2-5) = 1.9 to 2.1 mH

2. LEAKAGE INDUCTANCE: @ 0.1Vrms, 100 kHz
(1-4-2-5) with (9-7) shorted = 25 μ H MAX

3. IWC: @ 0.1Vrms, 100 KHz,
(1-4-2-5) to (9-7) = 115 pF MAX

4. TURNS RATIO: (1-4) : (2-5) : (9-7) = 1 : 1 : 1 $\pm$ 2%

5. DC RESISTANCE: OHMS
(1-4-2-5) = 2.5 MAX
(9-7) = 1.0 MAX

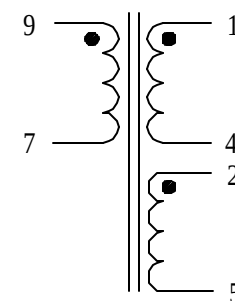
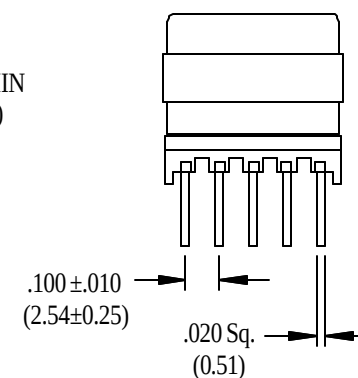
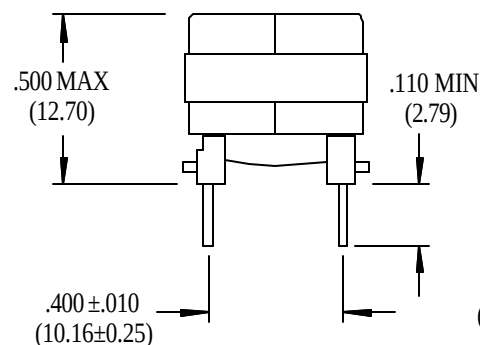
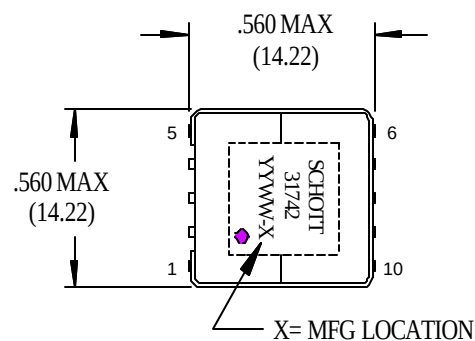
6. DIELECTRIC STRENGTH: 1500 Vac
(1-4-2-5) to (9-7)

7. LONGITUDINAL BALANCE: 135 - 32 OHM,
40-300 kHz = 50 dB MIN

8. RETURN LOSS: 135 OHM REF, 32 OHM LOAD,
40 - 300 kHz = 16 dB MIN

9. HARMONIC DISTORTION: 14 dBm, 40 kHz = 70 dB MAX

Designed and tested for use with
Brooktree BT8921 & 8970 @ 1168 Kbps



inches
(mm)

TOLERANCES
UNLESS OTHERWISE NOTED

2 PLACE
+ .02

3 PLACE
+ .005

ANGLE
+ °