

**TITLE**  
**TRANSFORMER**  
**HDSL 160 kB, 8 mH 1 : 1**

**SCHOTT**  
 CORPORATION  
 1000 PARKERS LAKE ROAD  
 WAYZATA, MN 55391

**AGENCY APPROVAL:**  
 N/A

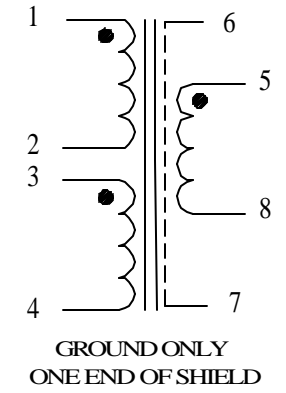
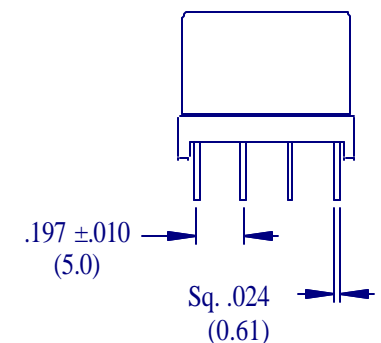
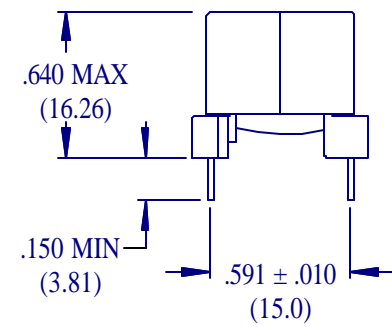
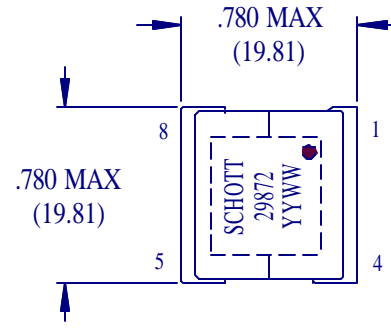
**PARTNUMBER** 29872  
**REV** C **PAGE** 1 **END**

**SPECIFICATIONS**

TEMP CLASS 105°C

1. INDUCTANCE: (1-2-3-4) @ 10 Khz, 0.1V = 8 mhy ±3%
2. TURNS RATIO: (1-2):(3-4):(5-8) = 1 : 1 : 1 ±2%
3. LEAKAGE INDUCTANCE: (1-2-3-4) @ 100 Khz,  
 WITH (5-8) SHORTED < 50 µhy
4. INTERWINDING CAPACITANCE: (5-8) TO (1-2-3-4)  
 w/ 6 grounded @ 100 Khz < 80 pf
5. DC RESISTANCE: (5-8) = 2.1 ohms ±10%  
 (1-2),(3-4), = 1.6 ohms ±10%
6. RETURN LOSS: (1-2-3-4) Ref 135 ohms 5-8 loaded 32 ohms  
 @ 10-25 Khz > 20 dB  
 20 dB/DECADE ABOVE AND BELOW
7. FREQUENCY RESPONSE: 1-2-3-4 SOURCE 135 ohms  
 32 ohm LOAD 5-8 @10-80 KHz < 0.2 dB MAX
8. LONGITUDINAL BALANCE: 1-2-3-4 135 ohms  
 32ohm LOAD 5-8 @ 160 Khz > 55 dB
9. HARMONIC DISTORTION:  
 135 ohms, 80 Khz, 5 vp-p, 60mADC, = 70 dB MIN
10. DIELECTRIC STRENGTH: 2500 AC (1-2-3-4) TO (5-6)

DESIGNED FOR USE WITH BROOKTREE 8958 @ 160 Kbps



inches  
 (mm)

TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE	3 PLACE	ANGLE
	± .01	± .005	± °