

TITLE  
**TRANSFORMER**  
**HDSL 1168 kbps**

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

AGENCY APPROVAL:  
 N/A

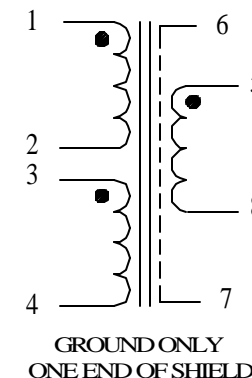
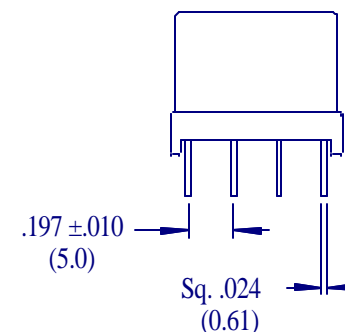
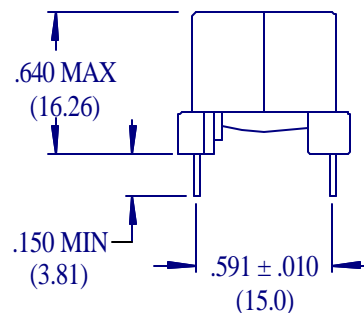
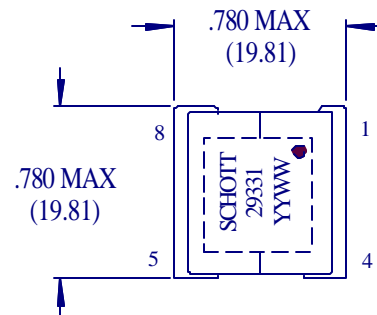
PART NUMBER  
**29331**  
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**SPECIFICATIONS**

TEMP CLASS 105°C

1. INDUCTANCE: (1-2-3-4) @ 10 KHz, 0.1V = 2 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 < 40 µhy
4. INTERWINDING CAPACITANCE: (5-8) TO (1-2-3-4)  
 with the shield grounded @ 100 KHz < 75 pf
5. DC RESISTANCE: (5-8) = 1.00 OHMS ±10%  
 (1-2),(3-4), = 1.25 OHMS ±10%
6. RETURN LOSS: (1-2-3-4) 135 OHMS REF,  
 32 OHMS, .01 µf LOAD ON (5-8)  
 40 - 200 KHz > 17 dB
7. LONGITUDINAL BALANCE: 1-2-3-4 @ 135OHMS  
 200 KHz > 50 dB
8. HARMONIC DISTORION: 135 OHMS, 100 KHz, 160mADC,  
 5Vp-p > -70 dB
10. DIELECTRIC STRENGTH: 2500 AC (1-2-3-4) TO (5-6)
11. INSULATION RESISTANCE: @ 500 Vdc > 500 MEGOHMS

DESIGNED FOR USE WITH BROOKTREE 8921/8952



GROUND ONLY  
 ONE END OF SHIELD

inches  
 (mm)

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