

RF IMPEDANCE TRANSFORMER

SURFACE MOUNT MODEL: TM1-1

OPTIMIZED BANDWIDTH

0.4 - 500 MHz

FEATURES:

- ▶ Cost Effective
- ▶ Low Loss
- ▶ Small Size, Surface Mount
- ▶ RoHS Compliant
- ▶ Lead Free REL-PRO® Technology



Part Identifier:
Red Dot

SPECIFICATIONS (Rev. B 06/19/07)

Frequency	0.4 - 500 MHz												
Impedance Ratio	1:1												
Insertion Loss (dB) *	<table border="1"> <tr> <th>Freq. (MHz)</th> <th>(Typ.)</th> <th>(Max.)</th> </tr> <tr> <td>5 - 100</td> <td>1.0</td> <td>1.5</td> </tr> <tr> <td>100 - 300</td> <td>1.1</td> <td>1.6</td> </tr> <tr> <td>0.4 - 500</td> <td>1.1</td> <td>1.6</td> </tr> </table>	Freq. (MHz)	(Typ.)	(Max.)	5 - 100	1.0	1.5	100 - 300	1.1	1.6	0.4 - 500	1.1	1.6
	Freq. (MHz)	(Typ.)	(Max.)										
	5 - 100	1.0	1.5										
100 - 300	1.1	1.6											
0.4 - 500	1.1	1.6											
Amplitude Unbalance	0.2 dB (Typ.)												
Phase Unbalance	3° (Typ.)												
Return Loss	20 dB (Typ.)												
Input Power	0.25 Watt (Max.)												
DC Current	30 mA (Max.)												
Impedance	50 Ohms (Nom.)												
Operating Temperature Range	-40 to +85 °C												
Storage Temperature Range	-55 to +100 °C												

* Plot excludes 3 dB split loss

Package # 311

TOP VIEW
Dimensions: 0.150 (width), 0.150 (height). Ports 1, 2, 3, 4, 6.

SIDE VIEW
Dimension: 0.150 MAX (height). Component Area.

BOTTOM VIEW
Dimensions: 0.024 (5 PL), 0.048, 0.025 TYP, 0.050, 0.100. Ports 1, 2, 3, 4, 6.

RECOMMENDED PCB LAYOUT
Dimensions: 0.035 AT 5 PLCS., 0.050 AT 5 PLCS., 0.180 (height), 0.142 (width).

Pri. Dot	Pri.	Sec. Dot	Sec.	Sec. CT
6	4	1	3	2



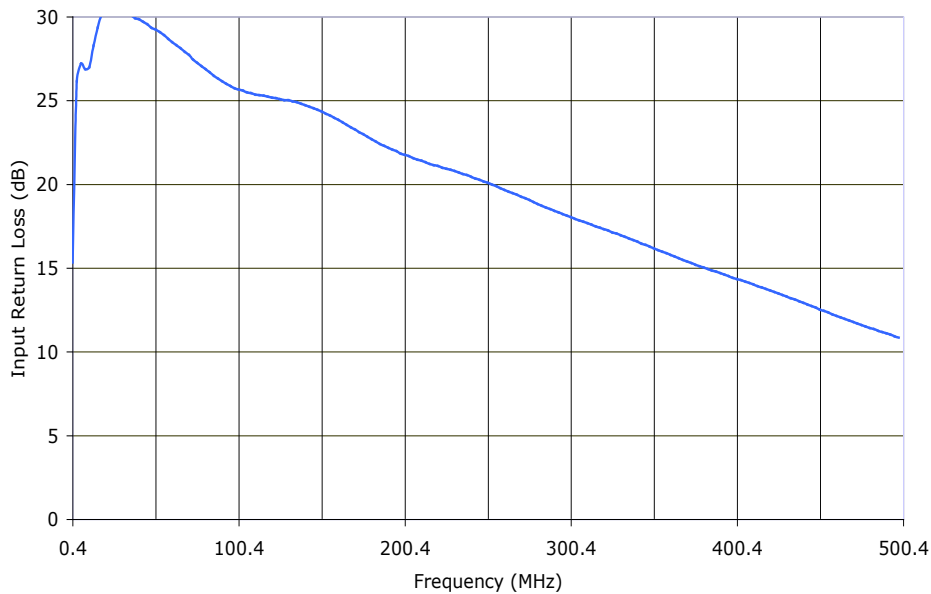
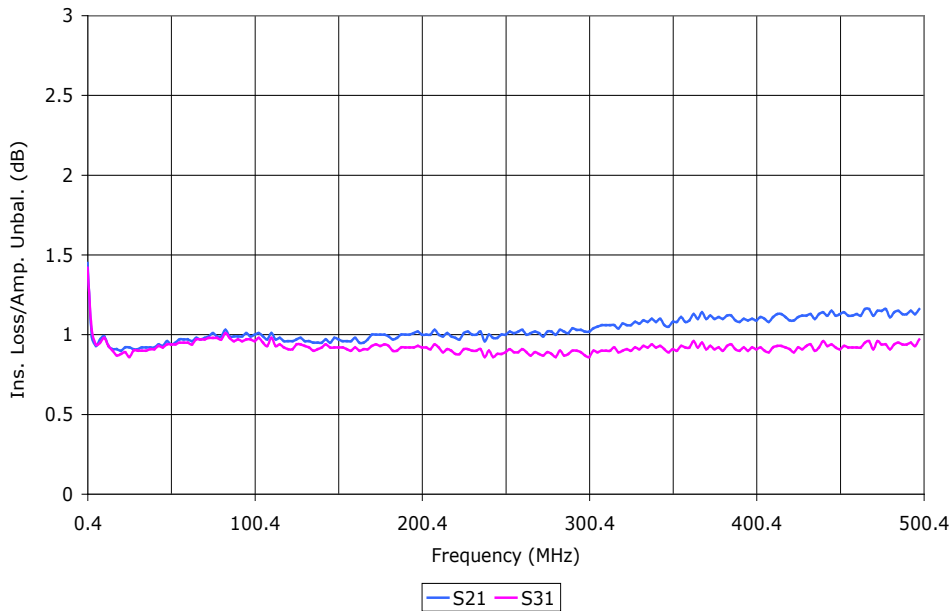
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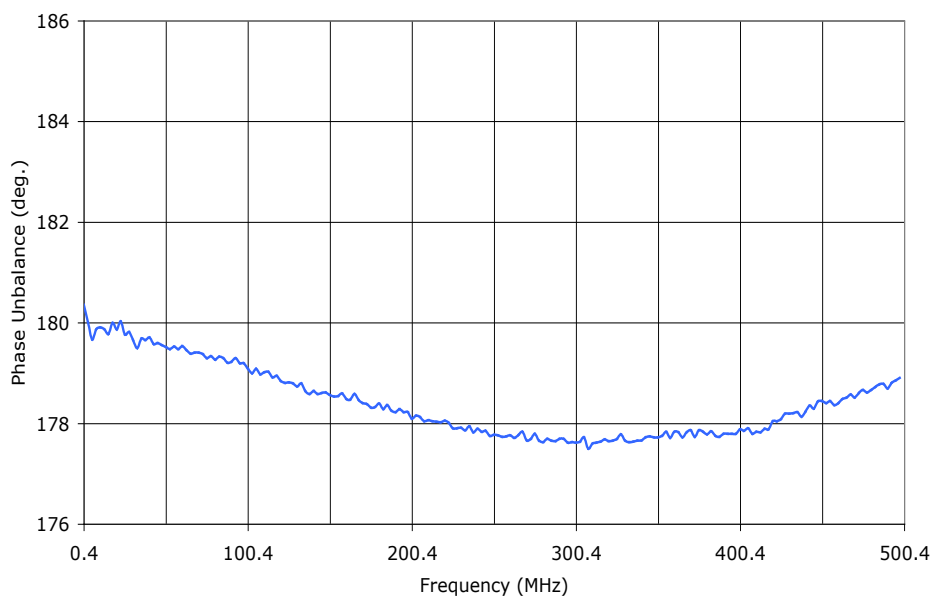


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