

# DIRECTIONAL COUPLER

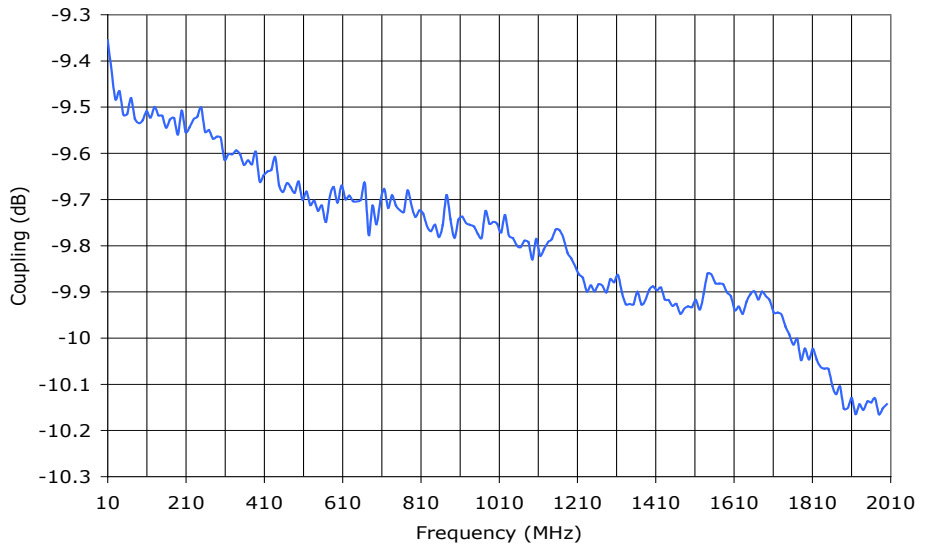
## SURFACE MOUNT MODEL: SDC-C7

**WIDE BANDWIDTH**

**10 - 2000 MHz**

**FEATURES:**

- ▶ Low Insertion Loss
- ▶ Excellent Coupling Flatness
- ▶ High Directivity
- ▶ Lead Free - RoHs Compliant
- ▶ Small Size, Surface Mount



**SPECIFICATIONS (Rev. A 06/13/07)**

<b>Frequency</b>	10 - 2000 MHz		
<b>Coupling</b>	9.8 dB $\pm$ 0.8 dB (Nom.)		
<b>Coupling Flatness</b>	$\pm$ 1.0 dB (Max.)		
<b>Mainline Loss</b>	Freq. (MHz)	dB(Typ.)	dB(Max.)
	10-1000	1.6	2.2
	100-1000	1.7	2.3
	1000-2000	2.4	3.0
<b>Directivity</b>	Freq. (MHz)	dB(Typ.)	dB(Min.)
	10-1000	18	13
	100-1000	22	15
	1000-2000	17	13
<b>Output Impedance</b>	50 Ohms (Nom.)		
<b>VSWR:</b>	1.3:1 (Typ.)		
<b>Operating Temperature Range</b>	-20 to +70 °C		

**Package #** 152

**PORT CONFIGURATION**

Input	Output	Coupled	Gnd.
1	2	3	All Other



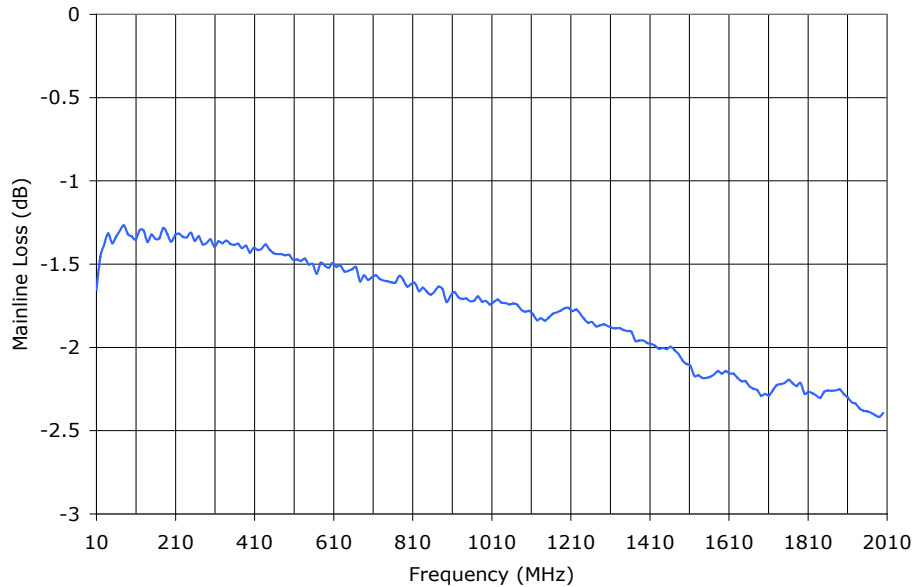
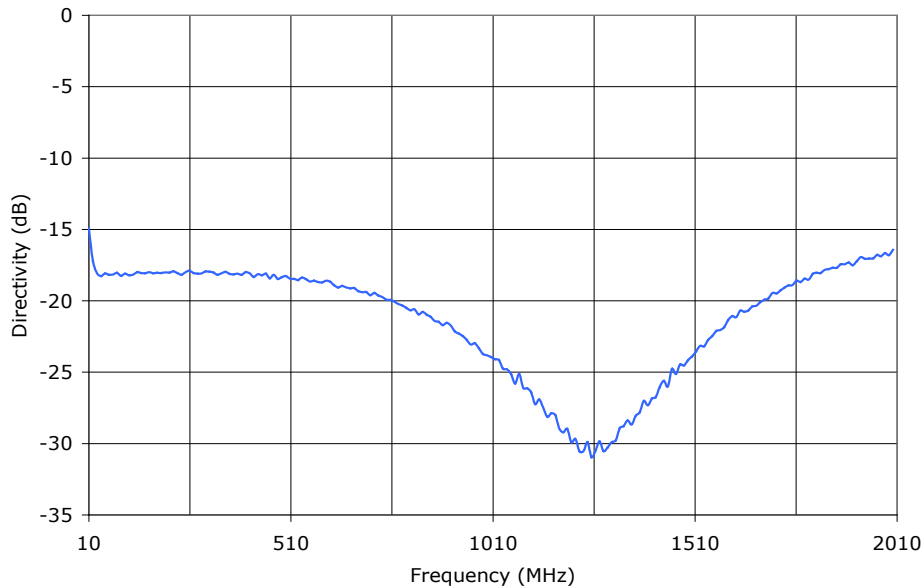
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PERFORMANCE PLOTS



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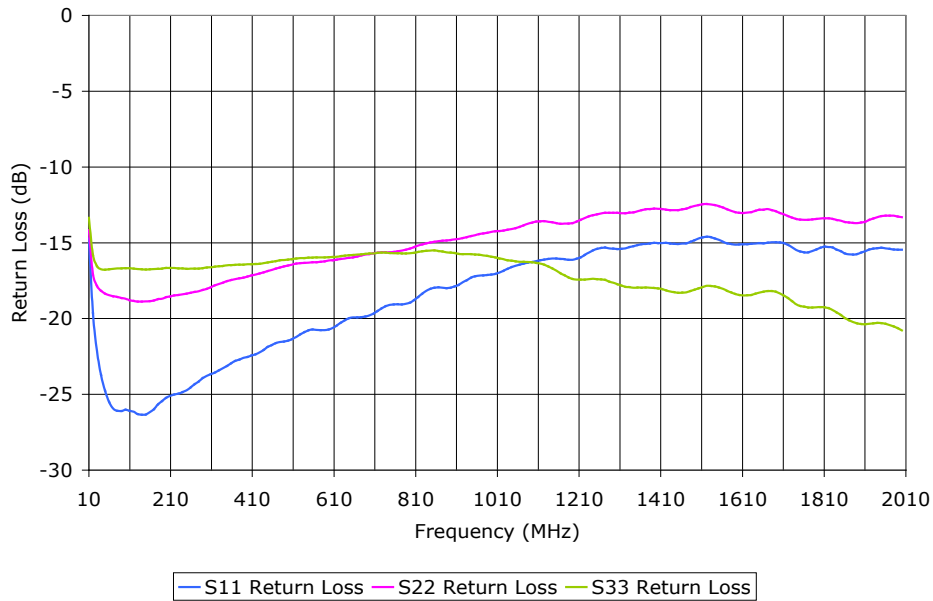


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