

DIRECTIONAL COUPLER

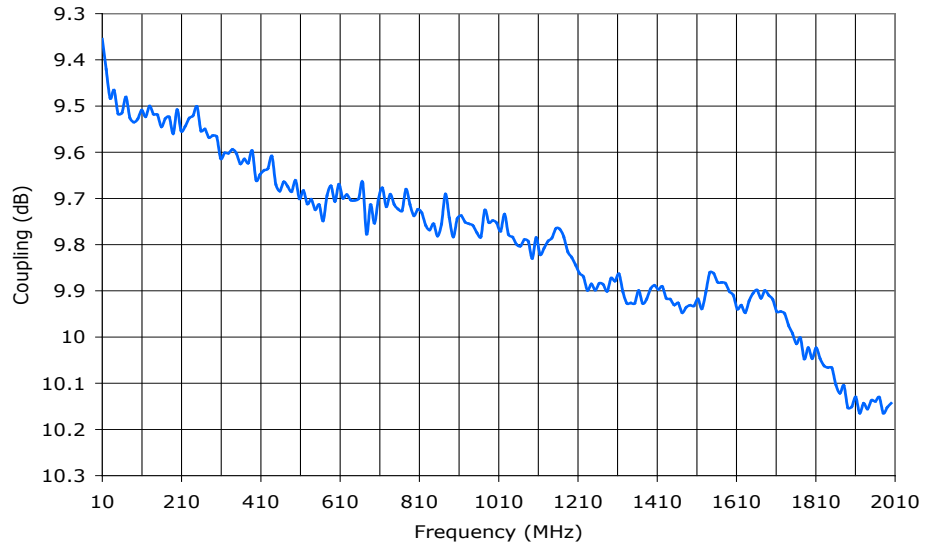
SURFACE MOUNT MODEL: SDC-C7

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)

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

Package # 152

PORT CONFIGURATION

Input	Output	Coupled	Gnd.
1	2	3	All Other

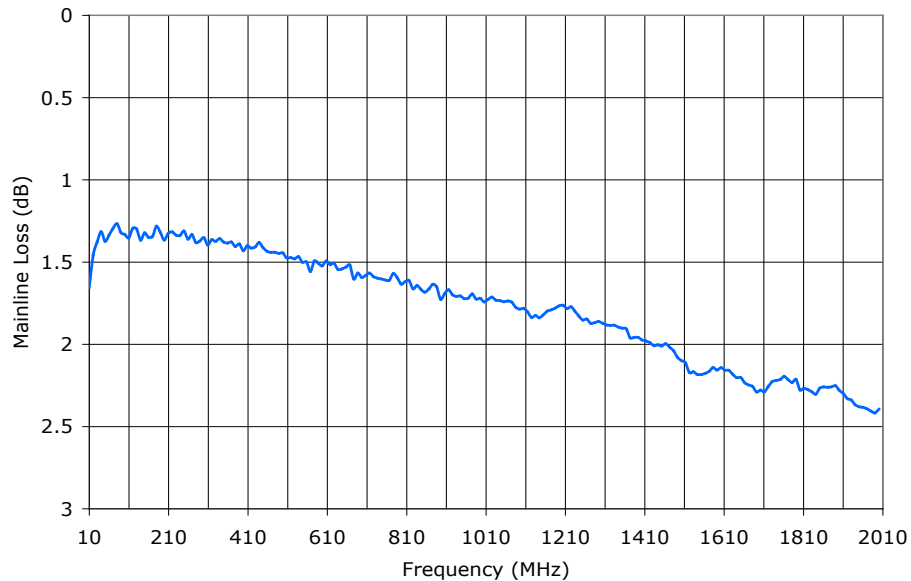
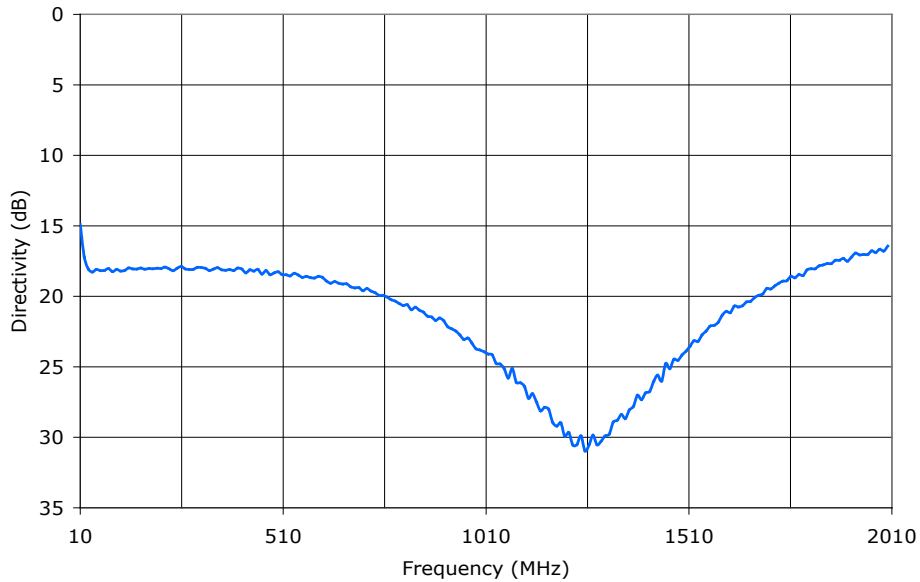
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PERFORMANCE PLOTS

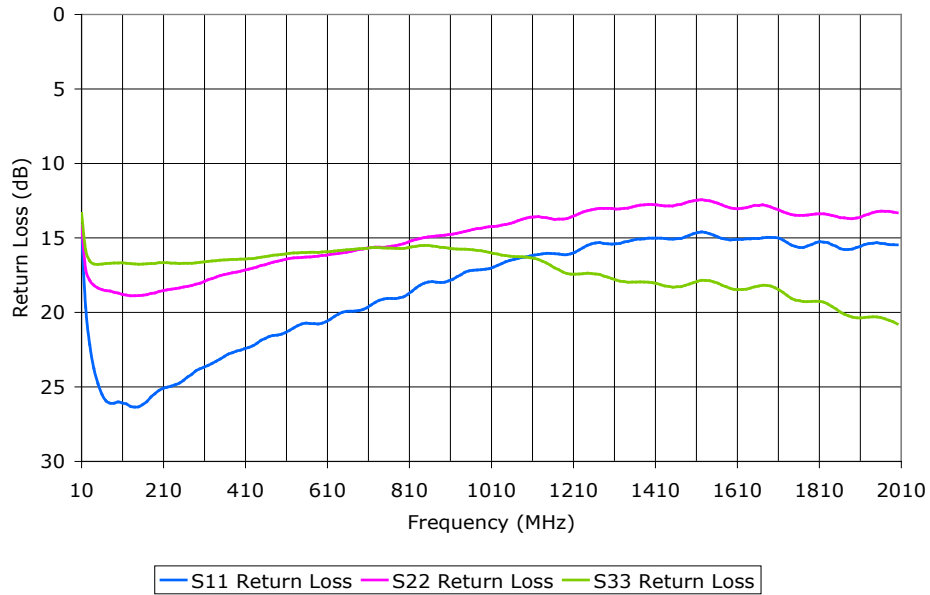


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