

DIRECTIONAL COUPLER

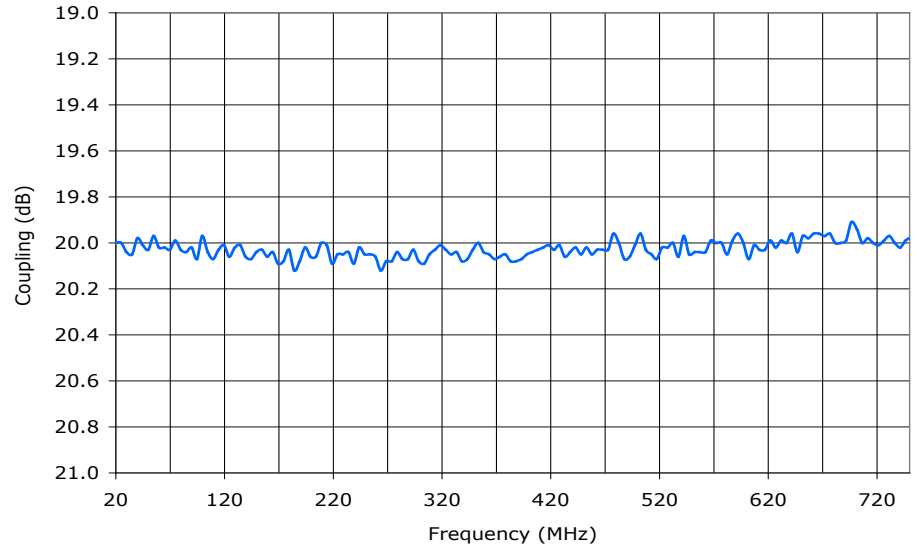
SURFACE MOUNT MODEL: SDC-CA11

WIDE BANDWIDTH

20 - 750 MHz

FEATURES:

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



SPECIFICATIONS (Rev. A 09/02/11)

Frequency	20 - 750 MHz	
Coupling	20 dB \pm 0.5 dB (Nom.)	
Coupling Flatness	dB (Typ.)	dB (Max.)
	\pm 0.2	\pm 0.4
Mainline Loss	dB (Typ.)	dB (Max.)
	0.50	0.80
Directivity	dB (Typ.)	dB (Min.)
	25	20
Input Power	3 Watts (Max.)	
Output Impedance	50 Ohms (Nom.)	
VSWR:	1.3:1 (Typ.)	
Operating Temperature Range	-40 to +110 °C	

Package # 133LF

TOLERANCES
ON THREE DECIMAL PLACES

X \pm 0.1
XX \pm 0.03
XXX \pm 0.015

LAYOUT FOR PRINTED CIRCUIT DESIGN.

8 PL.
0.070

0.080
0.188
0.075
0.425
0.250

0.415
0.207
0.000
0.095
0.270
0.445
0.540

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

PORT CONFIGURATION			
Input	Output	Coupled	Gnd.
8	2	3	All Others

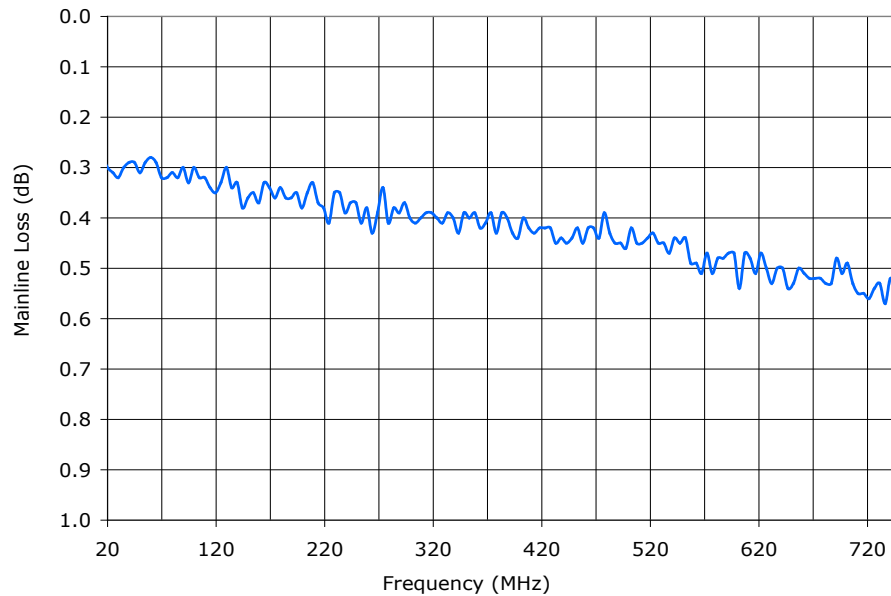
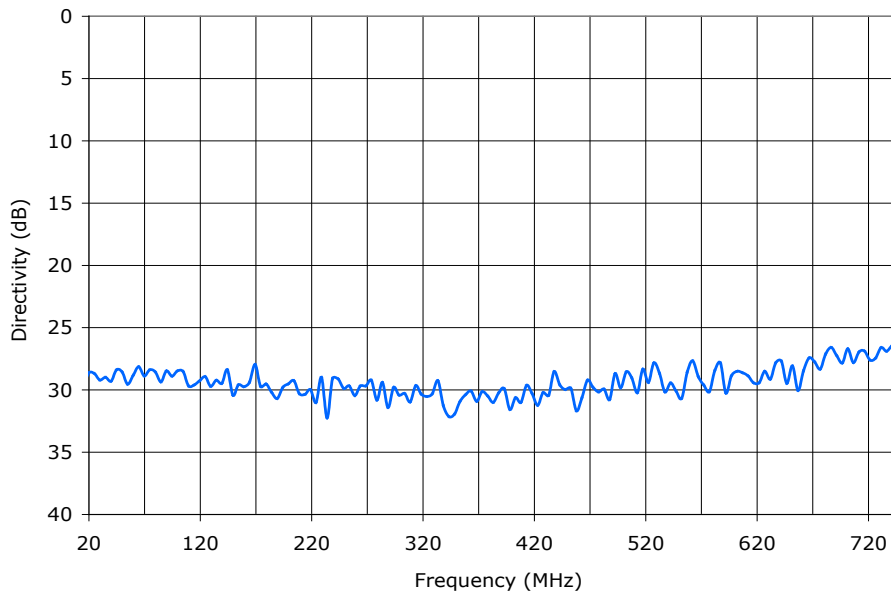
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PERFORMANCE PLOTS

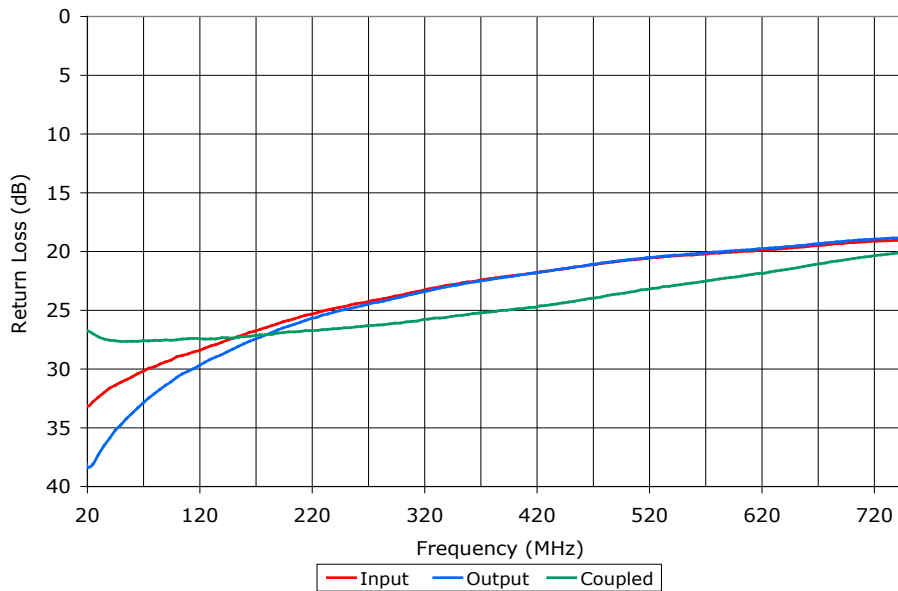


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