

# DIRECTIONAL COUPLER

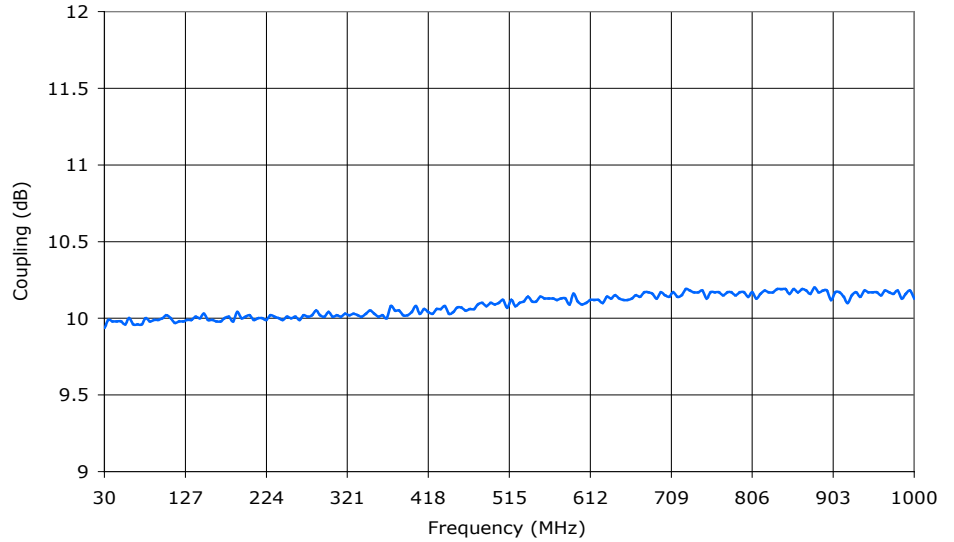
## SURFACE MOUNT MODEL: SC-4B

**WIDE BANDWIDTH**

**5 - 1000 MHz**

**FEATURES:**

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



**SPECIFICATIONS (Rev. C 05/28/09)**

<b>Frequency</b>	5 - 1000 MHz		
<b>Coupling</b>	10 dB $\pm$ 0.5 dB (Nom.)		
<b>Coupling Flatness</b>	$\pm$ 0.5 dB		
<b>Mainline Loss</b>	Freq. (MHz)	dB (Typ.)	dB (Max.)
	5-50	0.8	1.2
	50-500	1.1	1.5
	500-1000	0.9	1.8
<b>Directivity</b>	Freq. (MHz)	dB (Typ.)	dB (Min.)
	5-50	30	25
	50-500	35	25
	500-1000	20	15
<b>Impedance</b>	50 Ohms (Nom.)		
<b>VSWR:</b>	1.3:1 (Typ.)		
<b>Operating Temperature Range</b>	-40 to +85 °C		

**Package # 134**

**PORT CONFIGURATION**

Input	Output	Coupled	Gnd.	No. Conn.
6	1	4	2,5	3



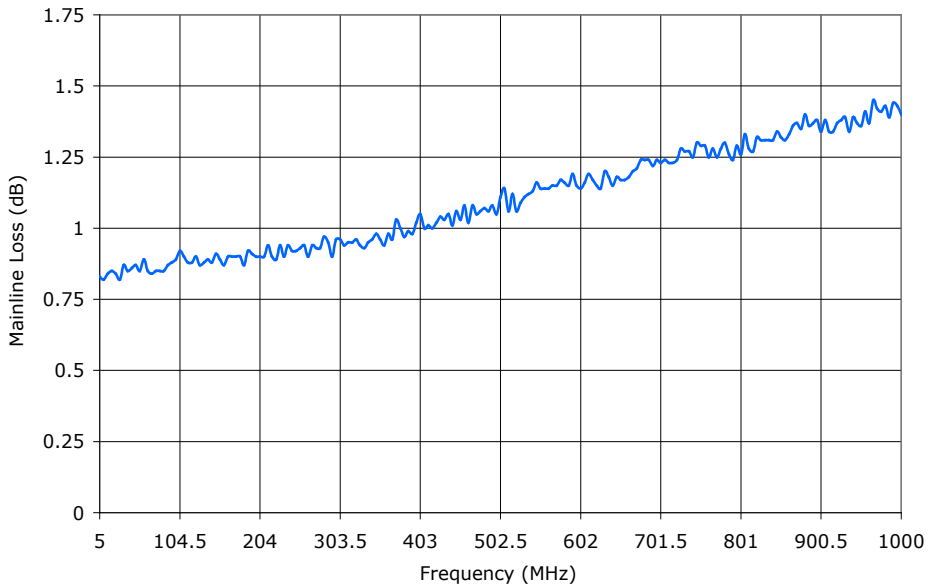
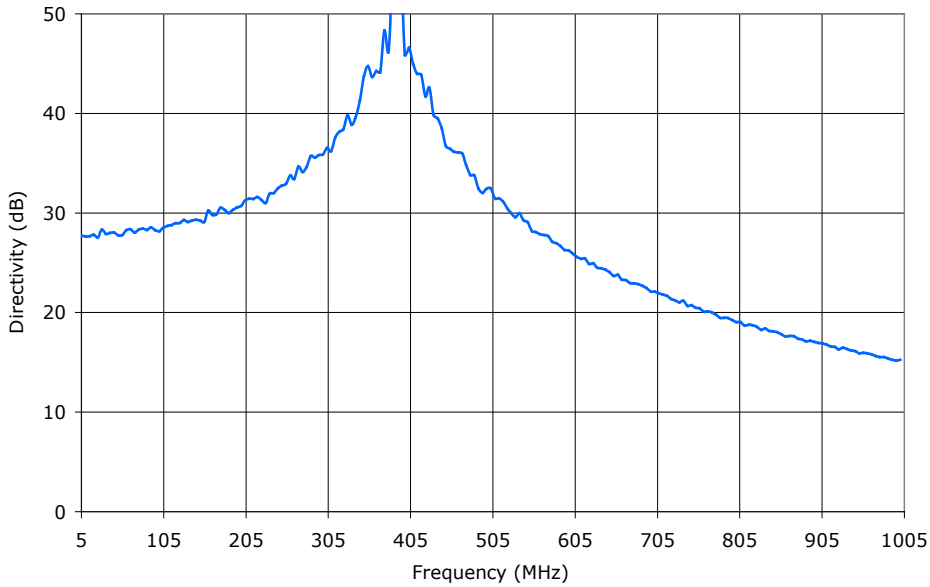
# DIRECTIONAL COUPLER

## SURFACE MOUNT MODEL: SC-4B

WIDE BANDWIDTH

5 - 1000 MHz

PERFORMANCE PLOTS

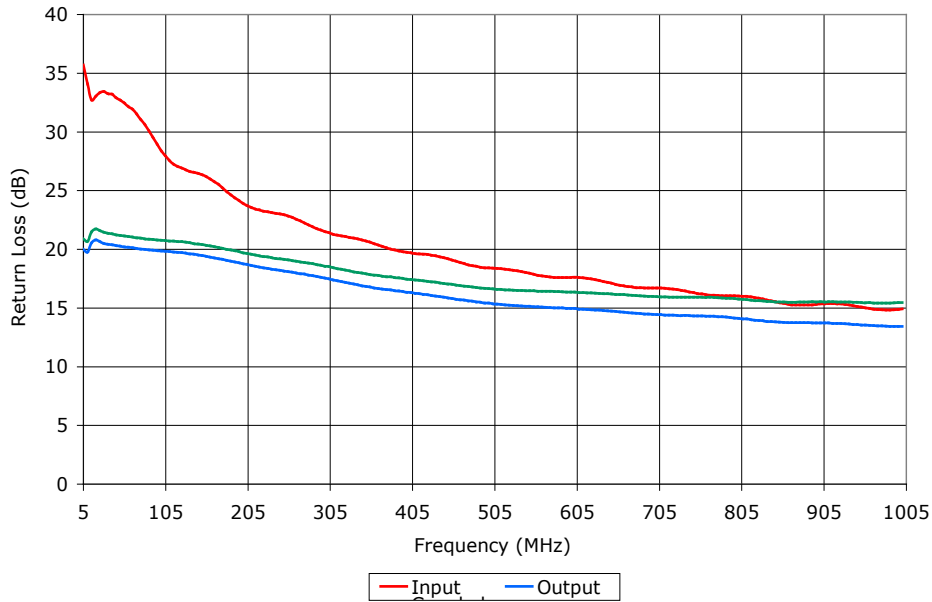


# DIRECTIONAL COUPLER

## SURFACE MOUNT MODEL: SC-4B

WIDE BANDWIDTH

5 - 1000 MHz



PERFORMANCE PLOTS

