

# DIRECTIONAL COUPLER

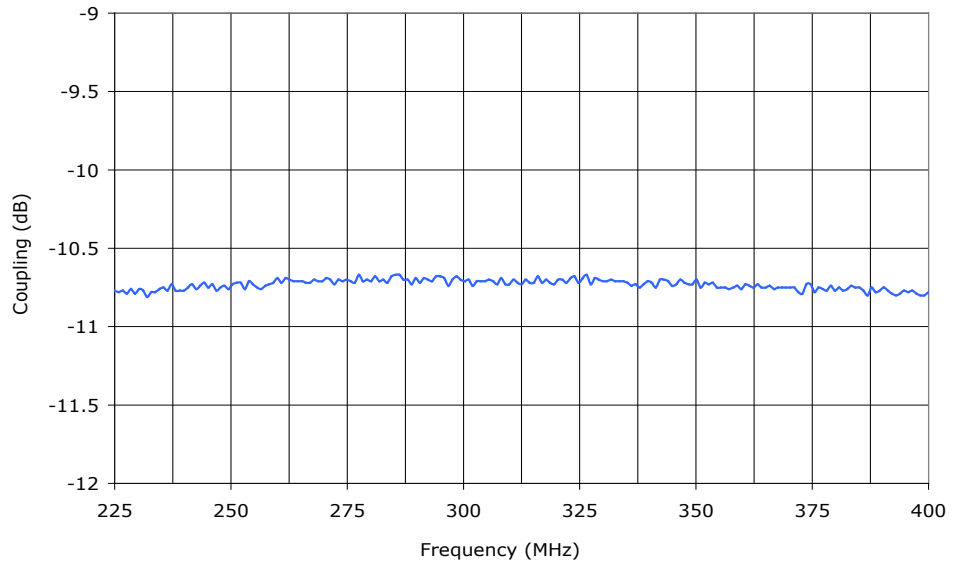
## SURFACE MOUNT MODEL: KBS-10-225

**OPTIMIZED BANDWIDTH**

**225 - 400 MHz**

**FEATURES:**

- ▶ Low Insertion Loss
- ▶ Excellent Coupling Flatness
- ▶ High Directivity
- ▶ Small Size, Surface Mount



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

<b>Frequency</b>	225 - 400 MHz	
<b>Coupling</b>	10.5 dB $\pm$ 1.0 dB (Nom.)	
<b>Coupling Flatness</b>	$\pm$ 0.5 dB	
<b>Mainline Loss</b>	dB (Typ.)	dB (Max.)
	0.6	0.7
<b>Directivity</b>	dB (Typ.)	dB (Min.)
	25	18
<b>Input Power</b>	50 Watts (CW)	
<b>Output Impedance</b>	50 Ohms (Nom.)	
<b>VSWR:</b>	1.3:1 (Typ.)	
<b>Operating Temperature Range</b>	-40 to +70 °C	

**Package #** 255

**TOP VIEW:** Dimensions: 0.600 (width), 0.600 (height). Alignment mark at top-left. Labels: SMC, KDS-\*\*\*, (DATE CODE). Pin locations 1-6.

**SIDE VIEW:** Dimensions: 0.560 (height), 0.400 (MAX.) (thickness).

**BOTTOM VIEW:** Shows solder pads for pins 1-6.

**RECOMMENDED PCB LAYOUT:** Dimensions: 0.660 (height), 0.200 (width between pads). Spacing: 0.050 AT 6 PLCS., 0.090 AT 6 PLCS.

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

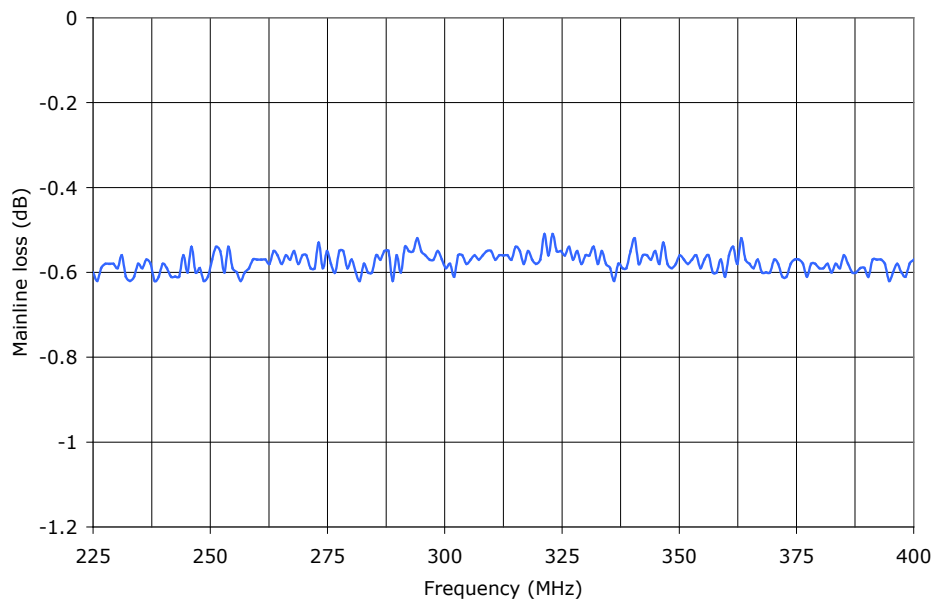
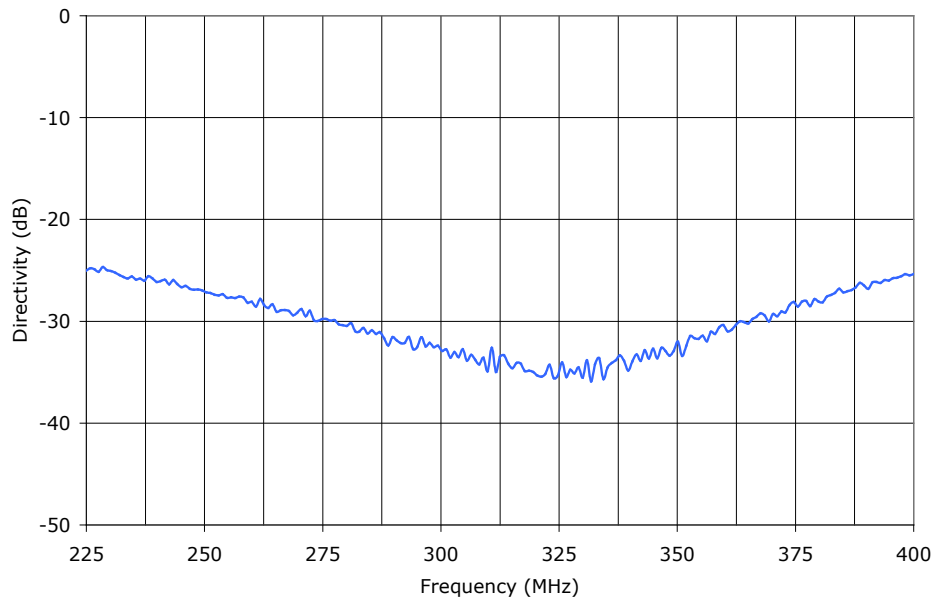
# DIRECTIONAL COUPLER

## SURFACE MOUNT MODEL: KBS-10-225

OPTIMIZED BANDWIDTH

225 - 400 MHz

PERFORMANCE PLOTS

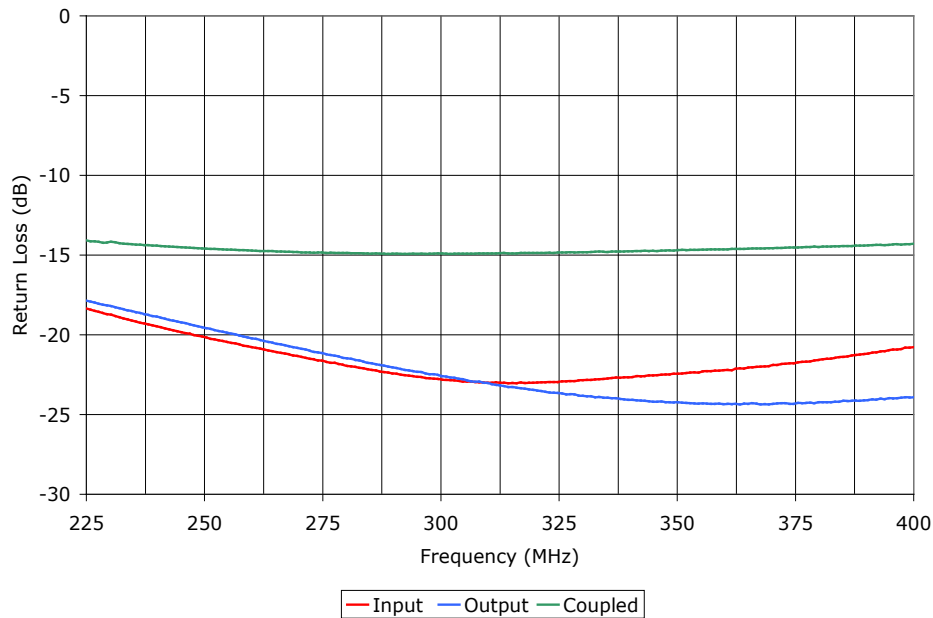


# DIRECTIONAL COUPLER

## SURFACE MOUNT MODEL: KBS-10-225

OPTIMIZED BANDWIDTH

225 - 400 MHz



PERFORMANCE PLOTS