

DIRECTIONAL COUPLER

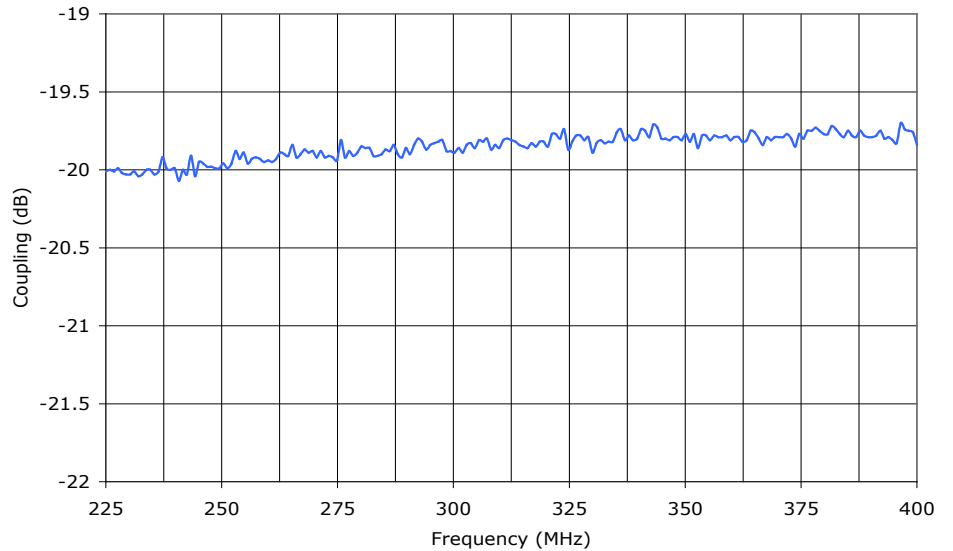
SURFACE MOUNT MODEL: KDS-20-225

OPTIMIZED BANDWIDTH

225 - 400 MHz

FEATURES:

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



SPECIFICATIONS (Rev. A 06/13/07)

Frequency	225 - 400 MHz	
Coupling	20 dB \pm 1.0 dB (Nom.)	
Coupling Flatness	\pm 0.5 dB	
Mainline Loss	dB (Typ.)	dB (Max.)
	0.2	0.4
Directivity	dB (Typ.)	dB (Min.)
	25	18
Input Power	50 Watts (CW)	
Output Impedance	50 Ohms (Nom.)	
VSWR:	(Typ.)	(Max.)
	1.20:1	1.35:1
Operating Temperature Range	-40 to +70 °C	

Package #	255
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TOP VIEW

SIDE VIEW

BOTTOM VIEW

RECOMMENDED PCB LAYOUT

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

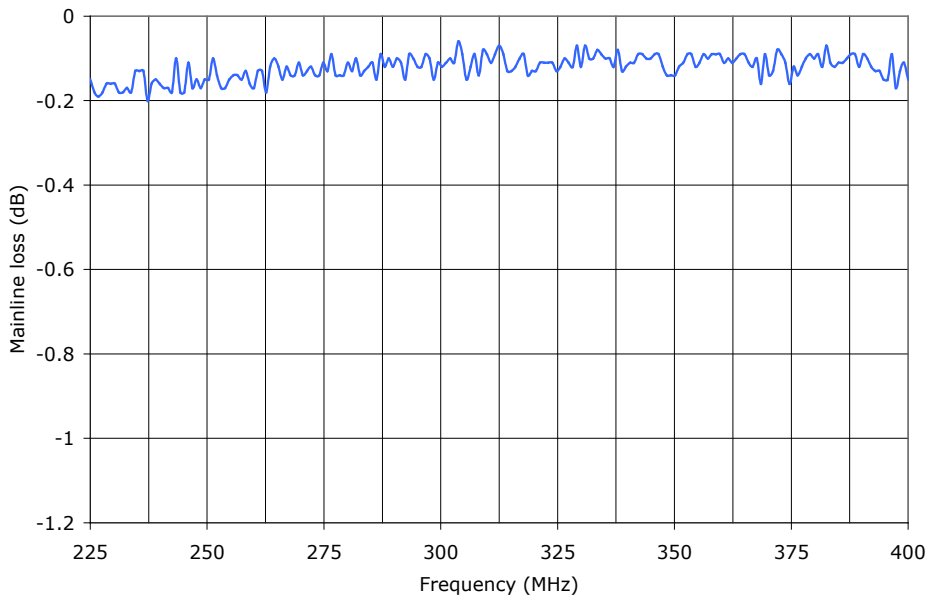
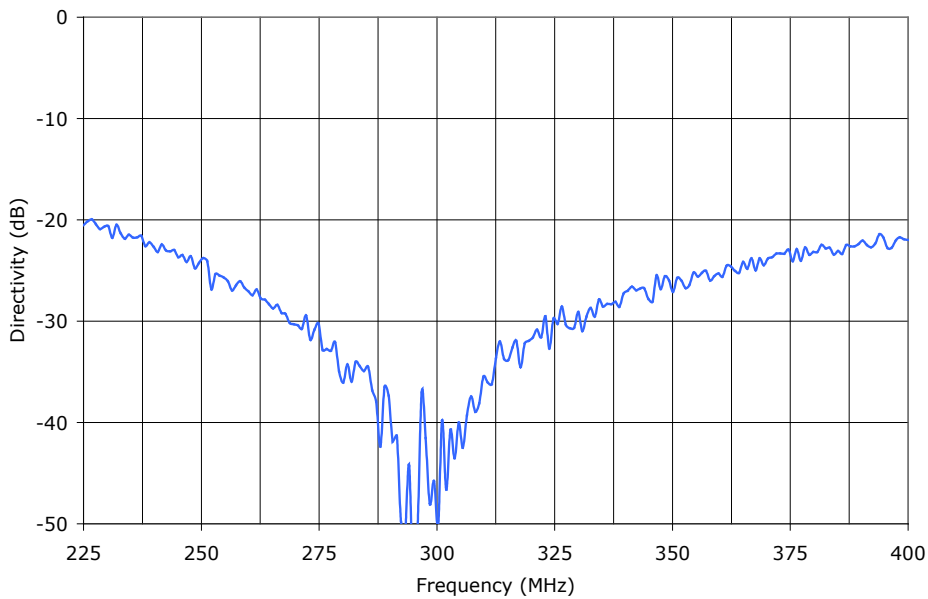
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PERFORMANCE PLOTS

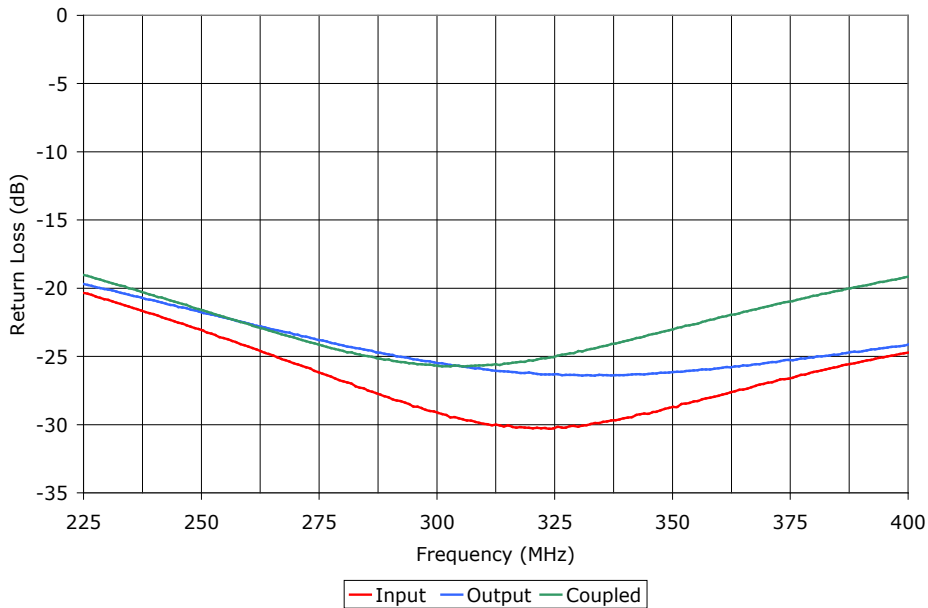


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