

BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: SDCHP-335

WIDE BANDWIDTH

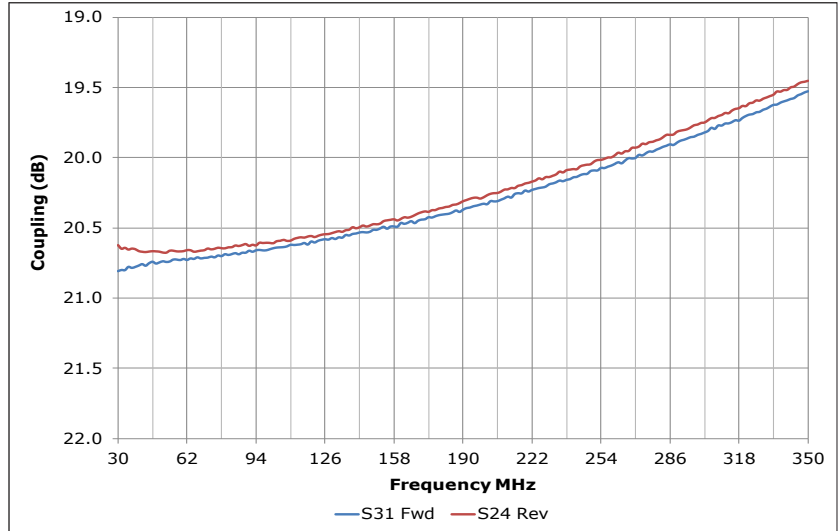
30 - 350 MHz

FEATURES:

- ▶ High Power Rating
- ▶ Low Insertion Loss
- ▶ Good Coupling Flatness
- ▶ High Directivity

APPLICATION:

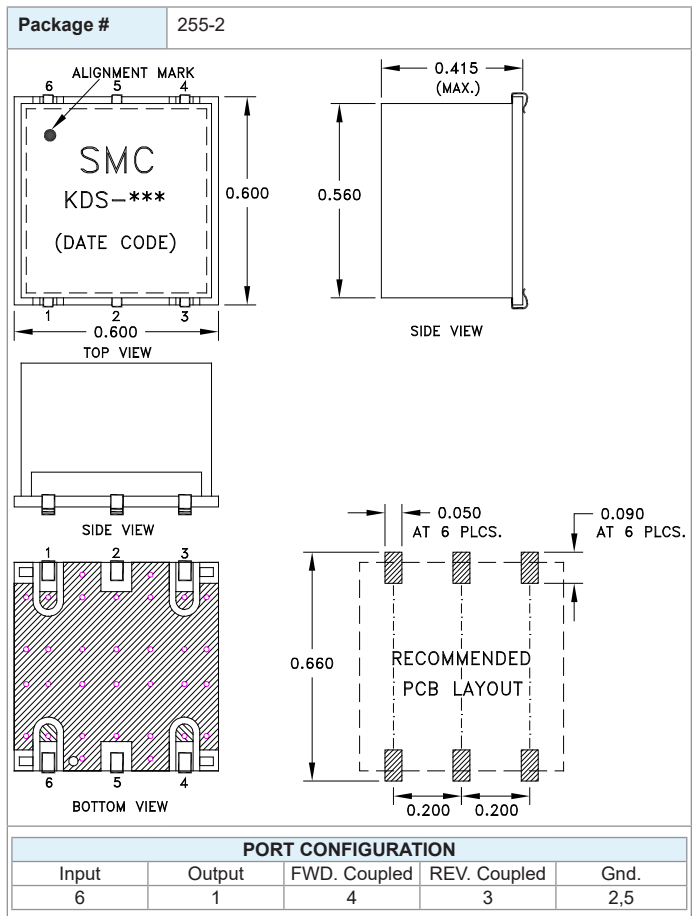
- ▶ Antenna Signal Monitoring



SPECIFICATIONS (Rev. C 06/22/22)

Frequency	30 - 350 MHz		
Coupling	20.1 ±0.7 dB (Nom.)		
Coupling Flatness	±0.85 dB (Max.)		
Mainline Loss ¹	Freq. (MHz)	Typ.	Max.
	30 - 100	0.13	0.17
	100 - 200	0.17	0.23
Directivity (dB) ²	Freq. (MHz)	Typ.	Min.
	30 - 100	19	17
	100 - 200	27	23
Input Power Rating	Freq. (MHz)	Watts (Avg.)	
	30 - 100	100	
	100 - 200	75	
Impedance	50 Ohms (Nom.)		
	VSWR		
	1.35:1 (Typ.) / 1.50:1 (Max.)		
Operating Temperature Range	-40 to +85 °C		
Storage Temperature Range	-55 to +100 °C		

¹ Including Coupling Loss.
² Directivity is the isolation value minus the coupling value.



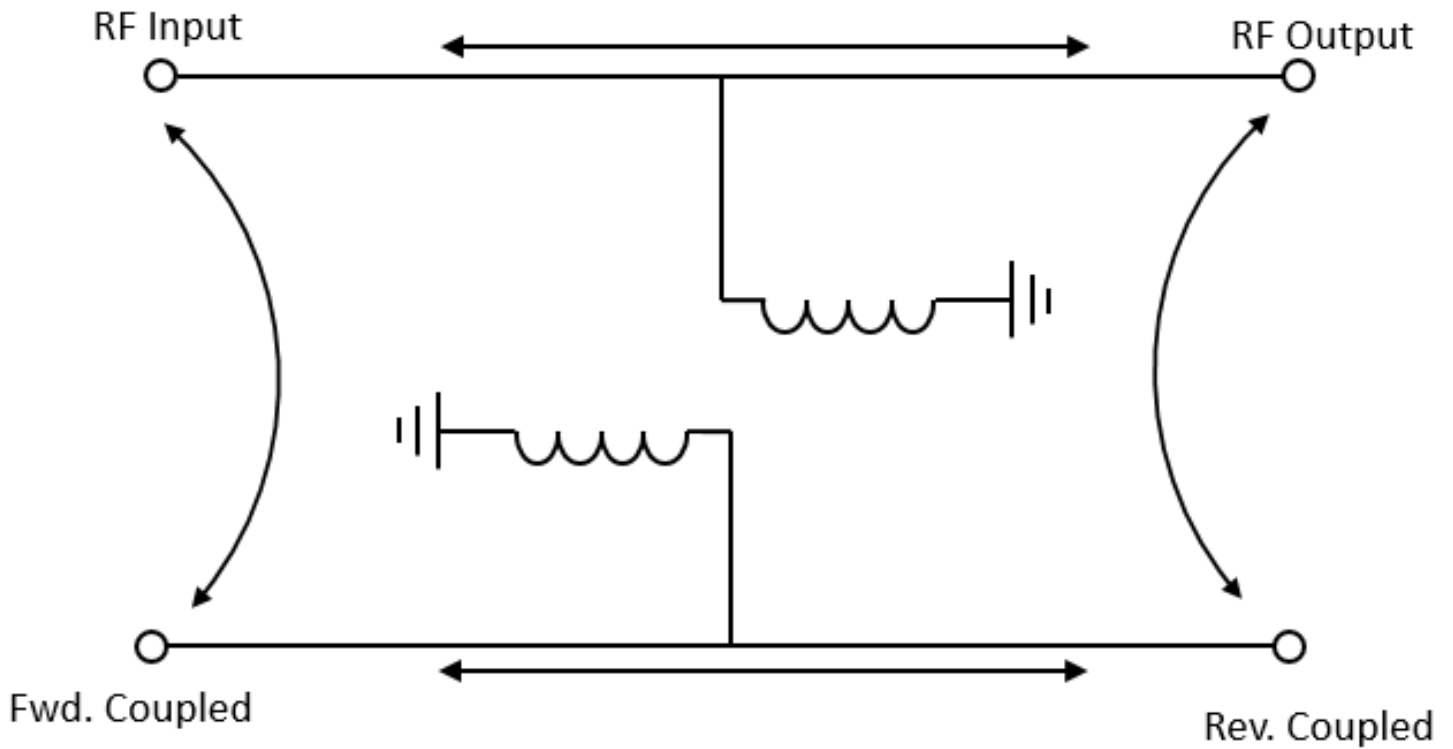
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Functional Diagram



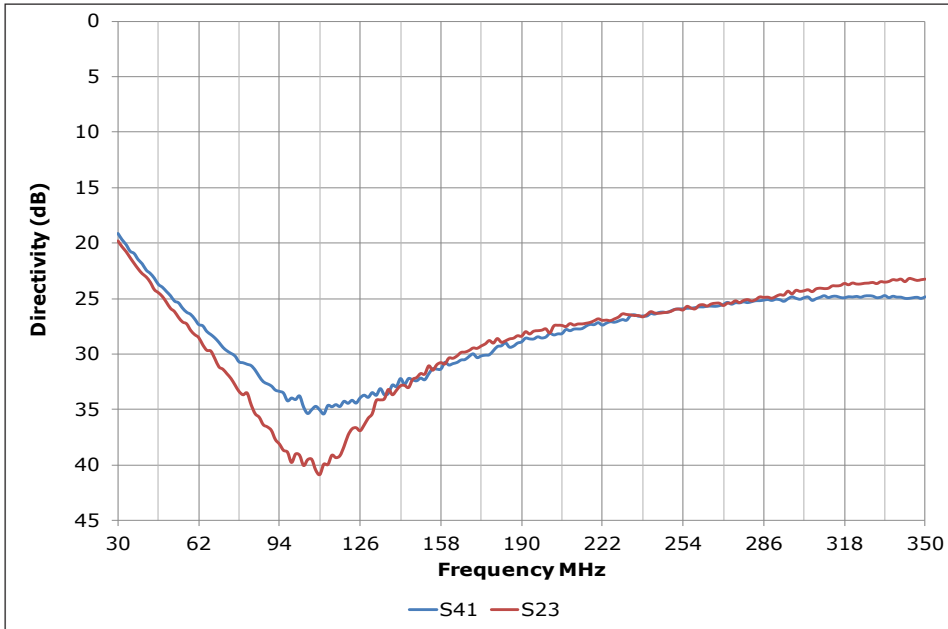
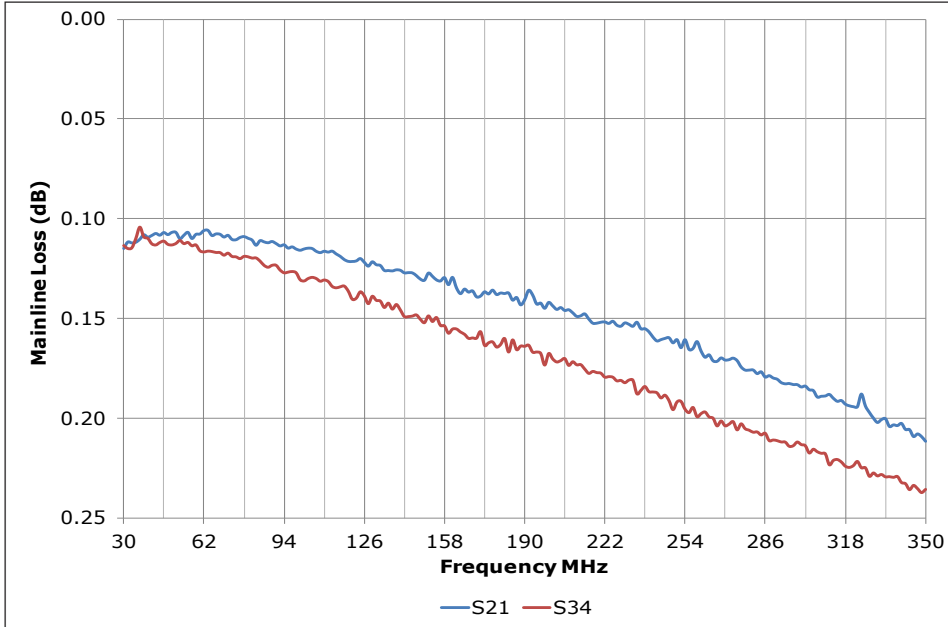
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PERFORMANCE PLOTS

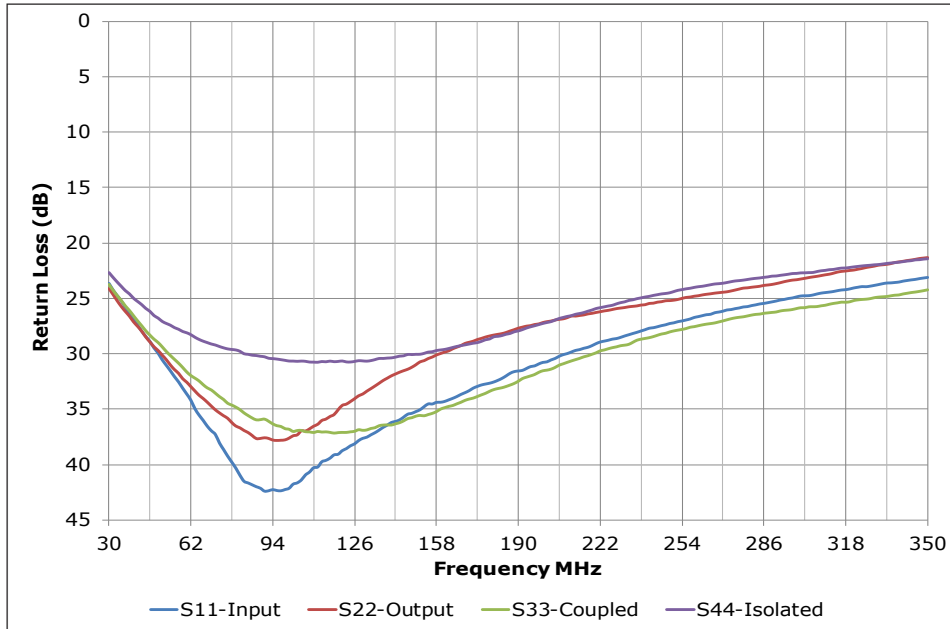


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