

BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: SCCHP-560

WIDE BANDWIDTH

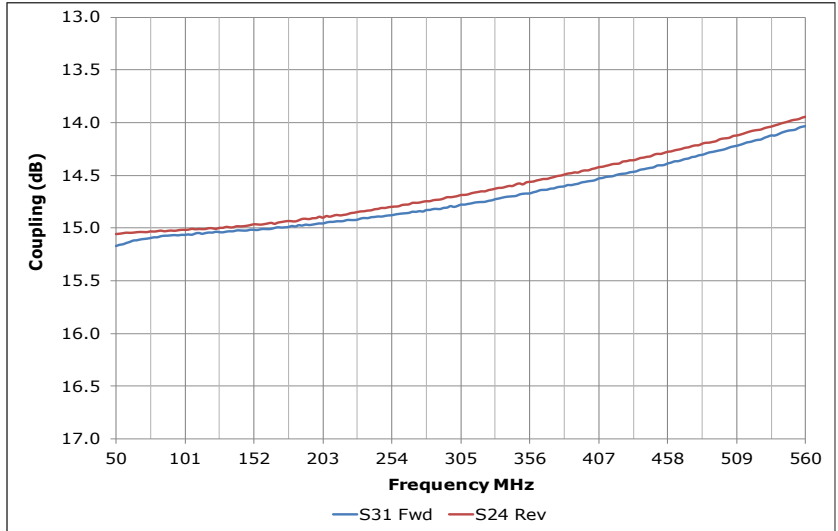
50 - 560 MHz

FEATURES:

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

APPLICATION:

- ▶ Antenna Signal Monitoring



SPECIFICATIONS (Rev. A 02/24/22)

Frequency	50 - 560 MHz		
Coupling	14.6 ±0.7 dB (Nom.)		
Coupling Flatness	±0.7 dB (Max.)		
Mainline Loss ¹	Freq. (MHz)	Typ.	Max.
	50 - 200	0.30	0.45
	200 - 400	0.38	0.55
Directivity (dB) ²	Freq. (MHz)	Typ.	Min.
	50 - 200	27	23
	200 - 400	23	20
Input Power Rating	Freq. (MHz)	Watts (Avg.)	
	50 - 150	100	
	150 - 350	75	
	350 - 560	50	
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.			

Package # 442

SMC
KDS-***
(DATE CODE)

RECOMMENDED PCB LAYOUT

PORT CONFIGURATION				
Input	Output	FWD. Coupled	REV. Coupled	Gnd.
6	1	4	3	2,5

Functional Diagram

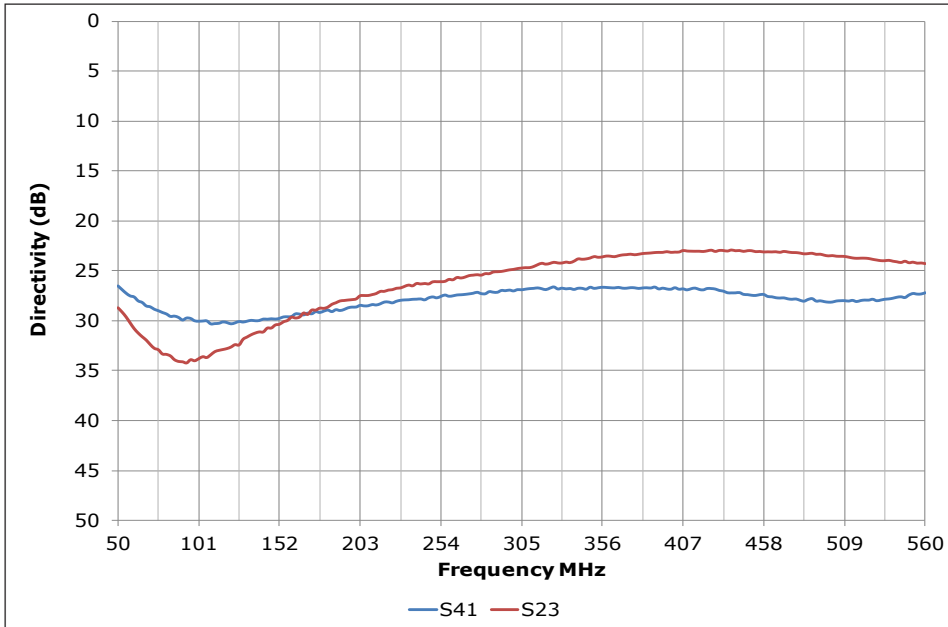
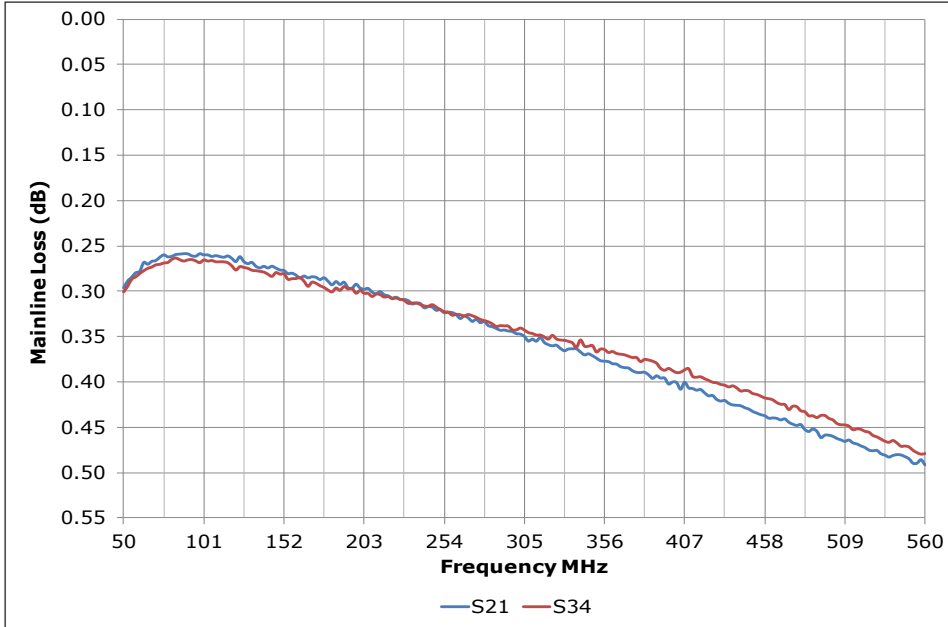
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PERFORMANCE PLOTS

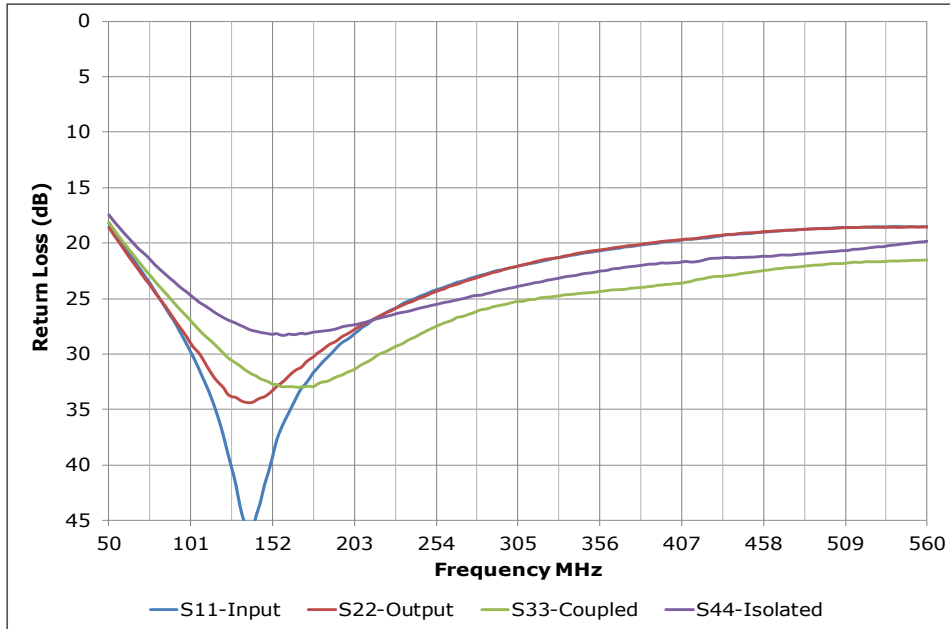


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