

BI-DIRECTIONAL COUPLER

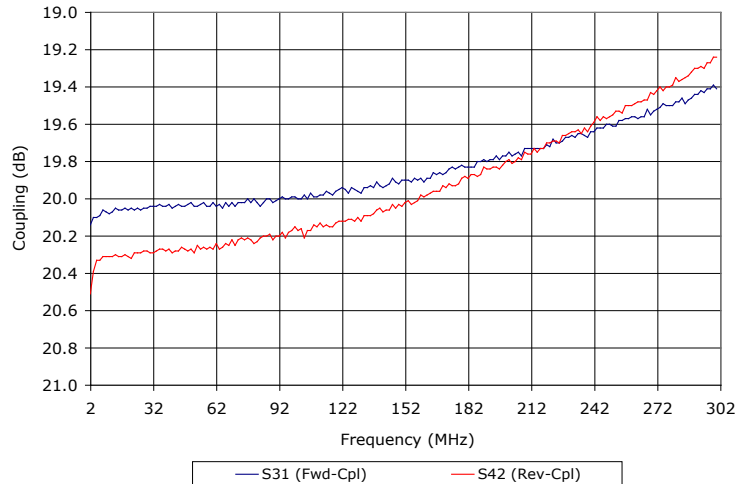
SURFACE MOUNT MODEL: SCL-1D-BD

WIDE BANDWIDTH

2 - 300 MHz

FEATURES:

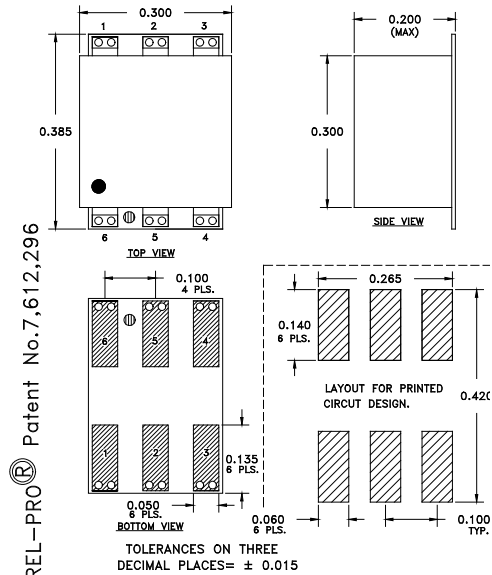
- ▶ Low Insertion Loss
- ▶ Excellent Coupling Flatness
- ▶ High Directivity
- ▶ Lead Free Patented Rel-Pro® Technology
- ▶ Small Size, Surface Mount



SPECIFICATIONS (Rev. A 10/16/09)

Frequency	2 - 300 MHz		
Coupling	19.8 dB ±0.9 dB (Nom.)		
Coupling Flatness	±0.9 dB		
Mainline Loss	Freq. (MHz)	dB (Typ.)	dB (Max.)
	2 - 20	0.35	0.4
	20 - 150	0.25	0.5
Directivity	Freq. (MHz)	dB (Typ.)	dB (Min.)
	2 - 20	24	16
	20 - 150	30	18
150 - 300	20	15	
Input Power Rating	1 Watt (Max.)		
Impedance	50 Ohms (Nom.)		
VSWR:	1.1:1 (Typ.)		
Operating Temperature Range	-40 to +85 °C		

Package # 159LF



PORT CONFIGURATION

Input	Output	Coupled	Reverse Coupled	Gnd.*
6	1	4	3	2,5

* Ground externally.

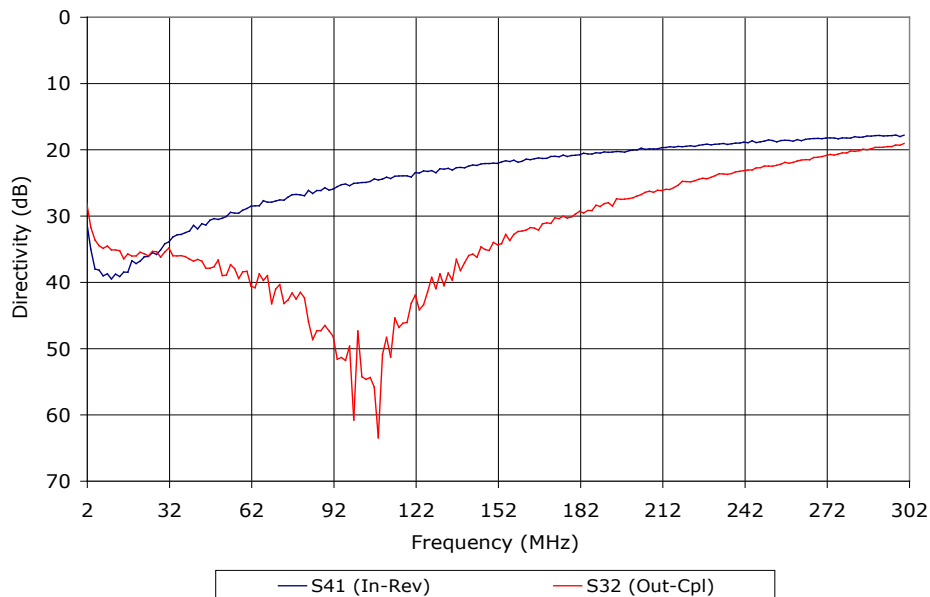
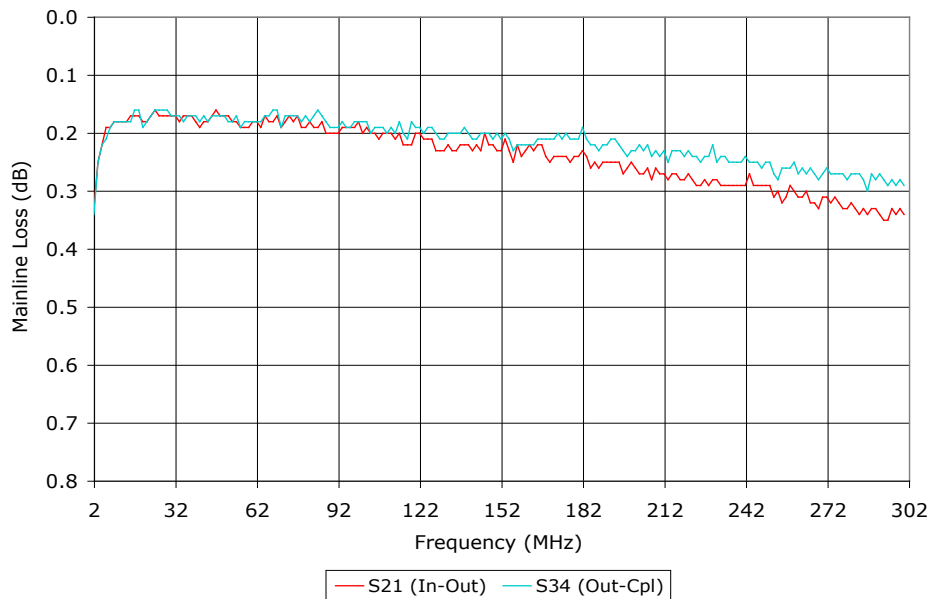
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PERFORMANCE PLOTS

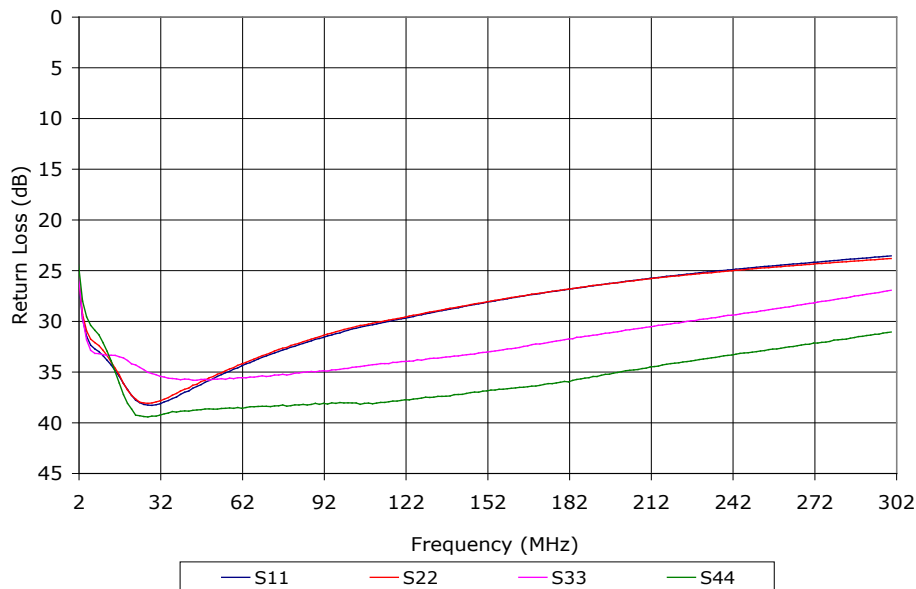


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