

BI-DIRECTIONAL COUPLER

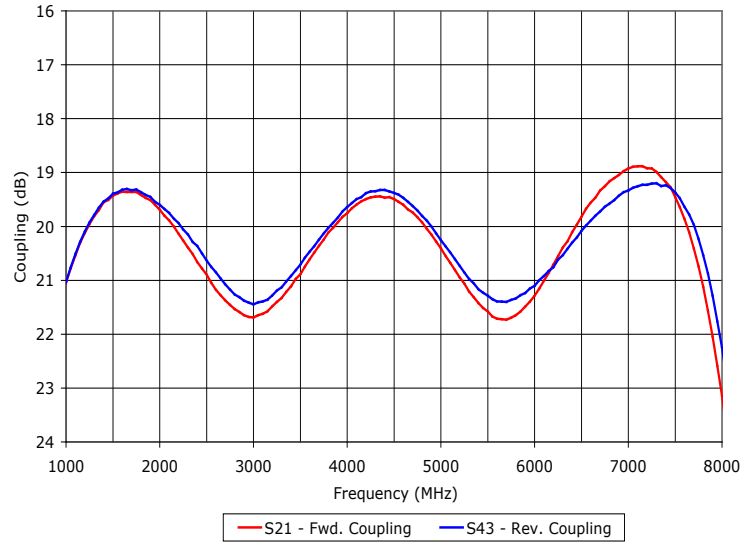
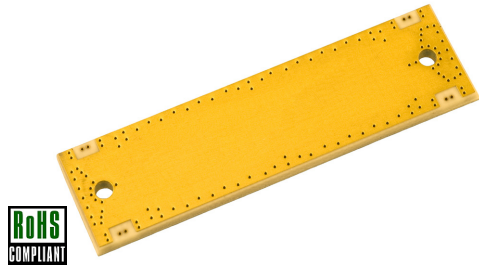
SYNSTRIP® MODEL: SCS100800-20

WIDE BANDWIDTH

1000 - 7800 MHz

FEATURES:

- ▶ SYNSTRIP® Technology
- ▶ Small Size, Surface Mount
- ▶ Optimum Performance



SPECIFICATIONS (Rev. B 12/20/10)

Frequency	1000 - 7800 MHz		
Coupling	20.5 dB \pm 2.0 dB (Nom.)		
Coupling Flatness	\pm 2 dB (Max.)		
Mainline Loss (dB)	Typ.	Max.	
	0.40	0.75	
Directivity (dB)	Freq. (MHz)	Typ.	Min.
	1000-4000	20	10
	4000-7800	12	5
Input Power Rating	25 Watts (Avg.)		

Impedance	50 Ohms (Nom.)
VSWR	1.4:1 (Typ.)
Operating Temperature Range	-40 to +85 °C
Storage Temperature Range	-55 to +100 °C

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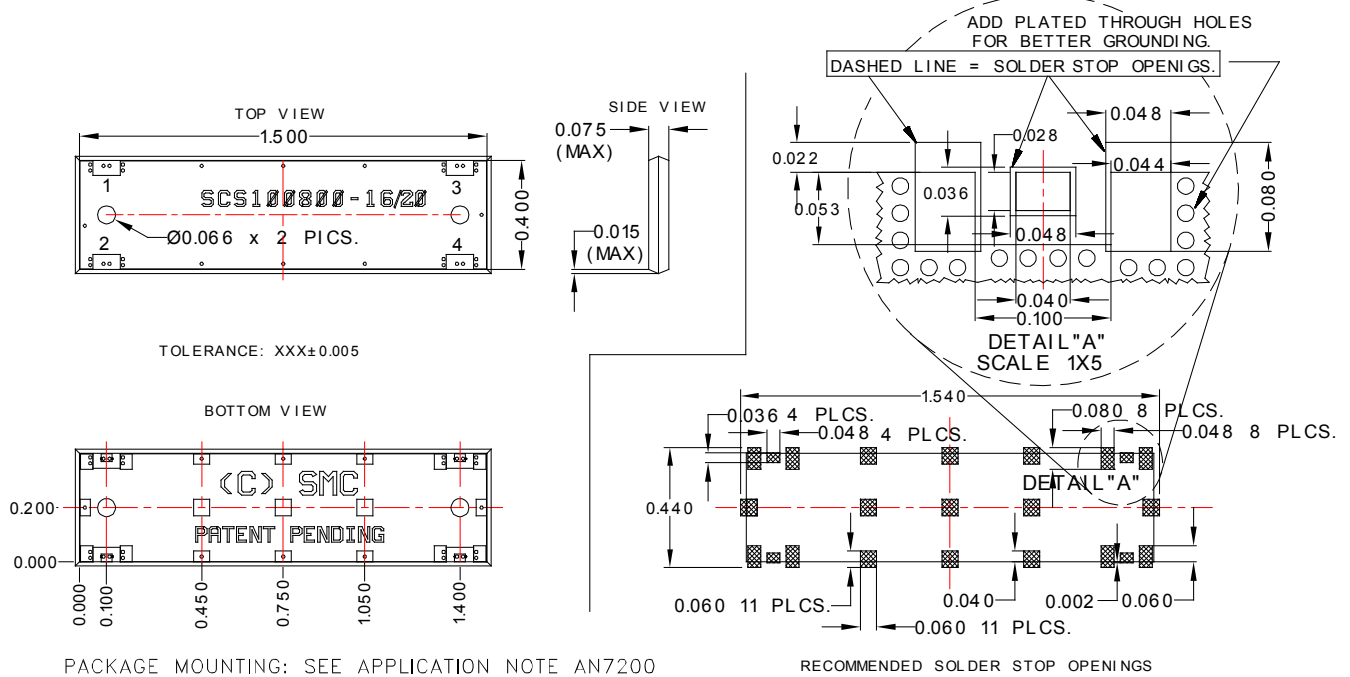
SYNSTRIIP® MODEL: SCS100800-20

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1000 - 7800 MHz

Package # 321

REL-PRO® PATENT NO. 7,612,296



PORT CONFIGURATION

	1	2	3	4
In Out				
1		Coupled	Thru	Iso
2	Coupled		Iso	Thru
3	Thru	Iso		Coupled
4	Iso	Thru	Coupled	

* For directional coupler operation, connect 50 Ohms load from isolated port to ground.

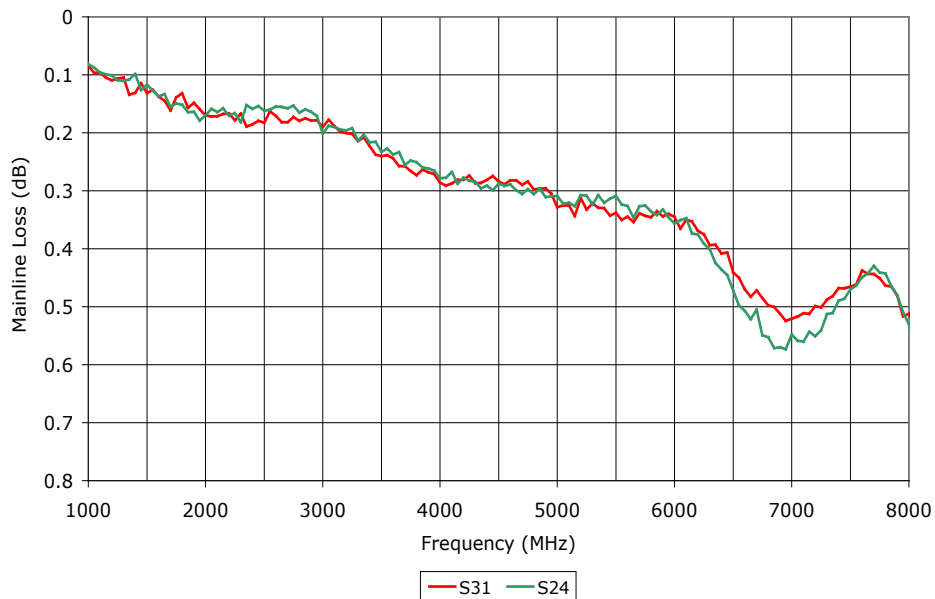
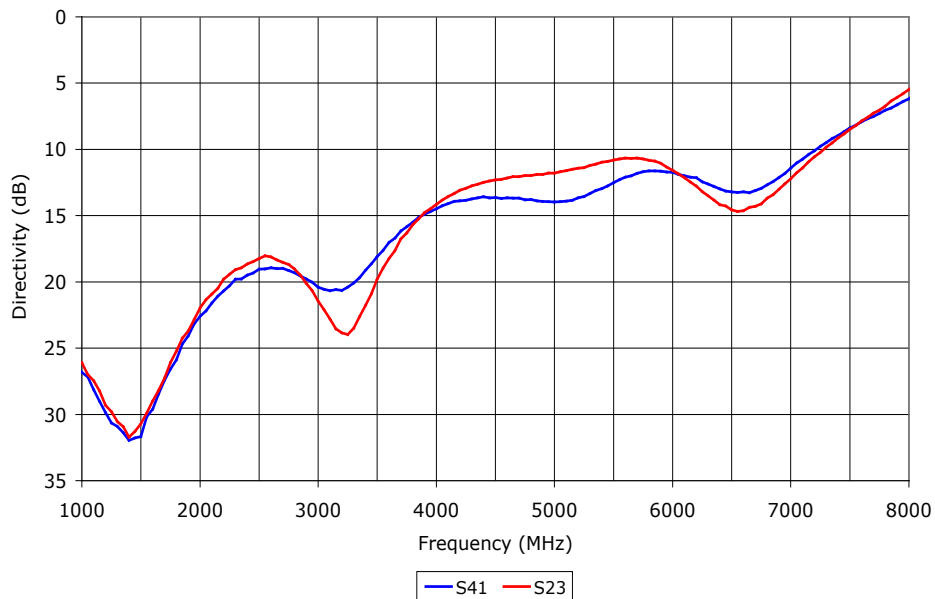
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SYNSTRIIP[®] MODEL: SCS100800-20

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Data @ 25 °C



PERFORMANCE PLOTS



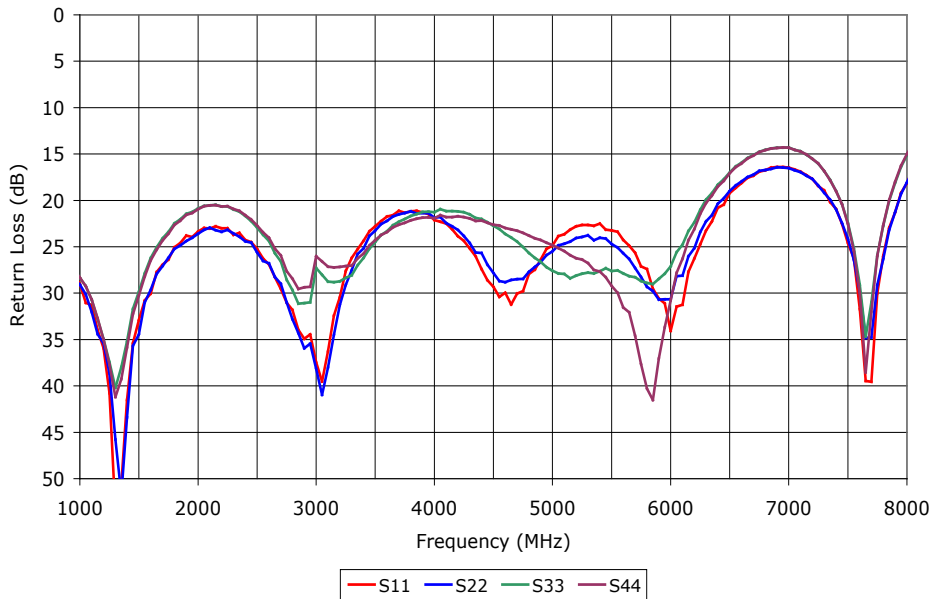
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