

BI-DIRECTIONAL COUPLER

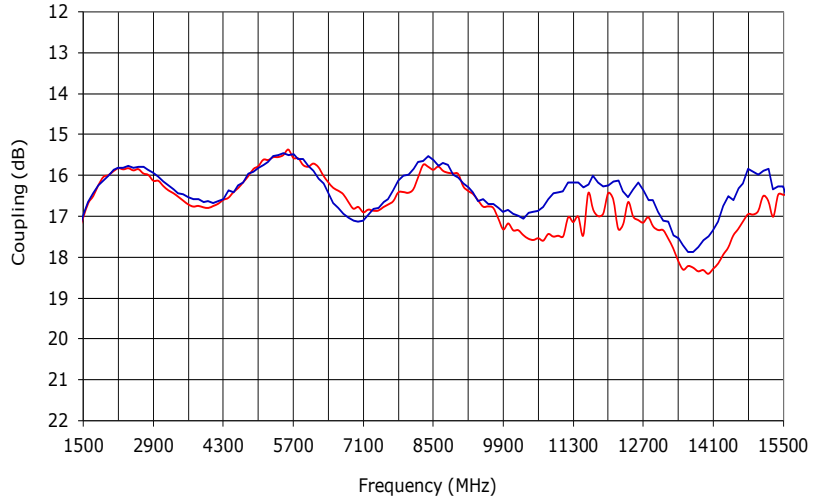
SYNSTRIIP® MODEL: SCS1701650-16

WIDE BANDWIDTH

1500 - 15500 MHz

FEATURES:

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



— S21 - Fwd. Coupling — S43 - Rev. Coupling

SPECIFICATIONS (Rev. B 11/17/14)

Frequency	1500 - 15500 MHz		
Coupling	17.0 dB ±1.5 dB (Nom.)		
Coupling Flatness	±2.5 dB (Max.)		
Mainline Loss	dB (Typ.)	dB (Max.)	
	1.0	1.4	
Directivity	Freq. (MHz)	dB (Typ.)	dB (Min.)
	1700-4500	18	12
	4500-10000	16	5
Input Power Rating	25 Watts (Ave.)		
Impedance	50 Ohms (Nom.)		
VSWR	1.4:1 (Typ.)		
Operating Temperature Range	-40 to +85 °C		

Package # 327

REL-PRO® PATENT NO. 7,612,296

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

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

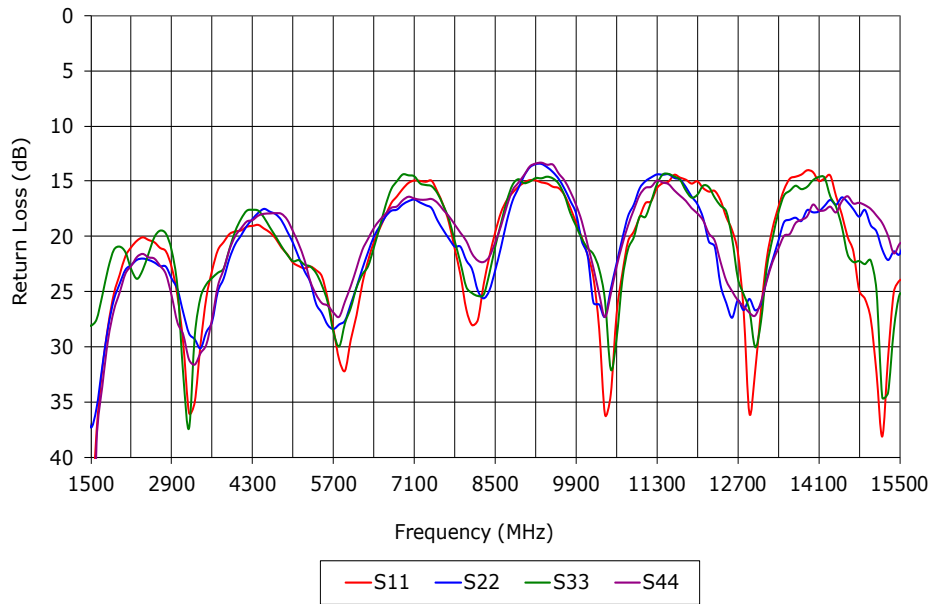
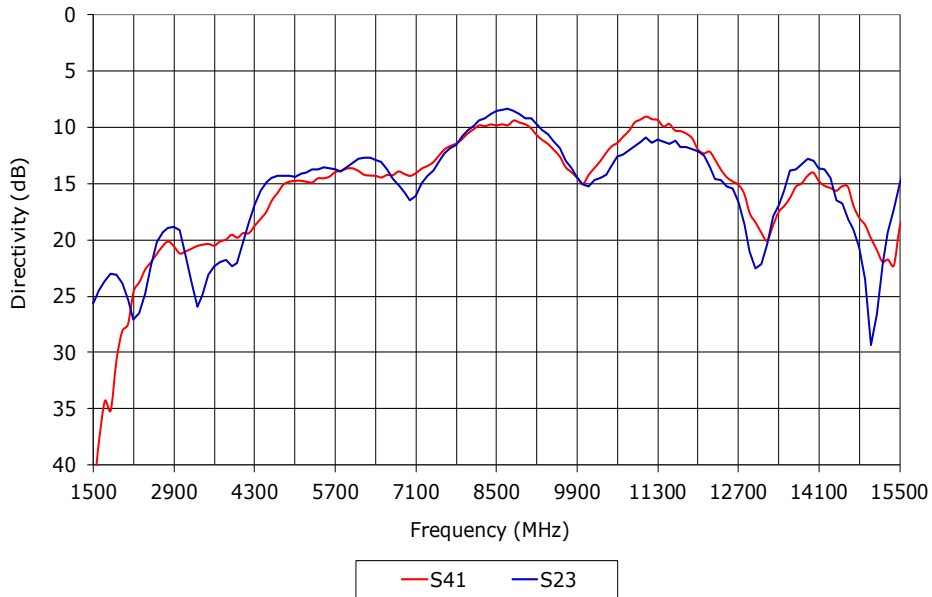
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PERFORMANCE PLOTS

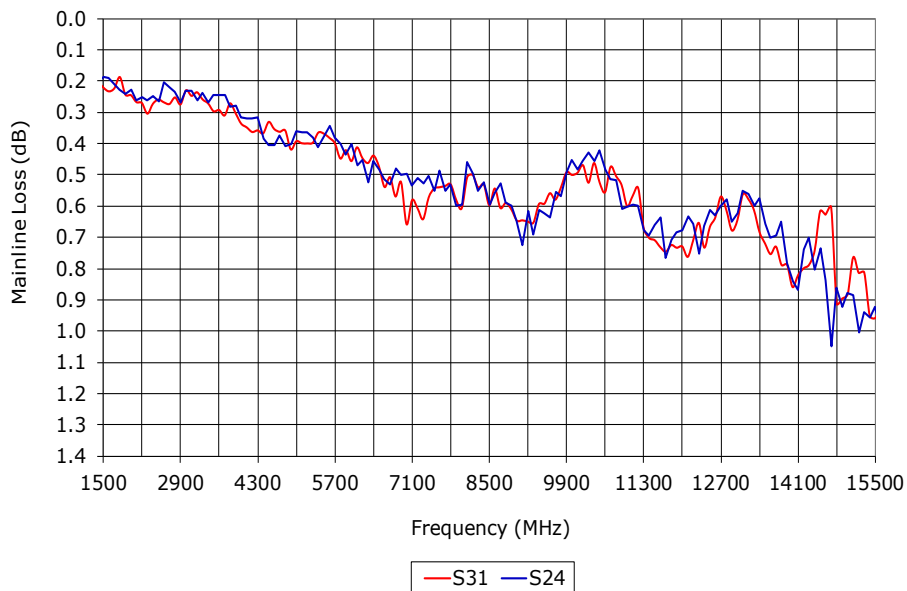


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SPECIFICATION SHEET REVISION RECORD

REV	COMMENT		BY	DATE	
---	Initial Release		---	---	
A	Changed page layout and updated specifications to reflect plots.		TA	01/13/09	
B		OLD	NEW		
	Frequency	1700 - 10000 MHz	1500 - 15500 MHz		
	Coupling	16.5 dB ±1.5 dB (Nom.)	17.0 dB ±1.5 dB (Nom.)		
	Mainline Loss	dB (Typ.)	dB (Max.)	dB (Typ.)	dB (Max.)
		0.6	1.0	1.0	1.4
VSWR	1.3:1 (Typ.)	1.4:1 (Typ.)			