

BI-DIRECTIONAL COUPLER

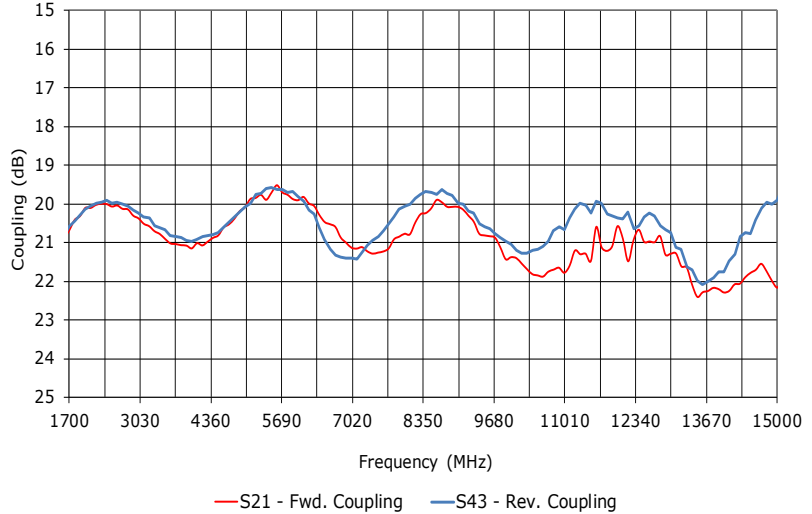
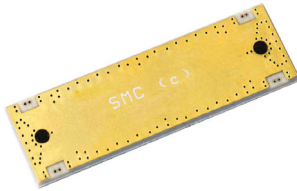
SYNSTRIP® MODEL: SCS1701650-20

WIDE BANDWIDTH

1.7 - 15 GHz

FEATURES:

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



SPECIFICATIONS (Rev. D 11/14/14)

Frequency	1700 - 15000 MHz
Coupling	21 dB ±1.5 dB (Nom.)
Coupling Flatness	±2.5 dB (Max.)
Mainline Loss	1.3 dB (Max.)
Directivity (dB)	10 dB (Typ.) / 7 dB (Min.)
Input Power Rating	25 Watts (Ave.)

Impedance	50 Ohms (Nom.)
VSWR	1.35:1 (Typ.)
Operating Temperature Range	-40 to +85 °C

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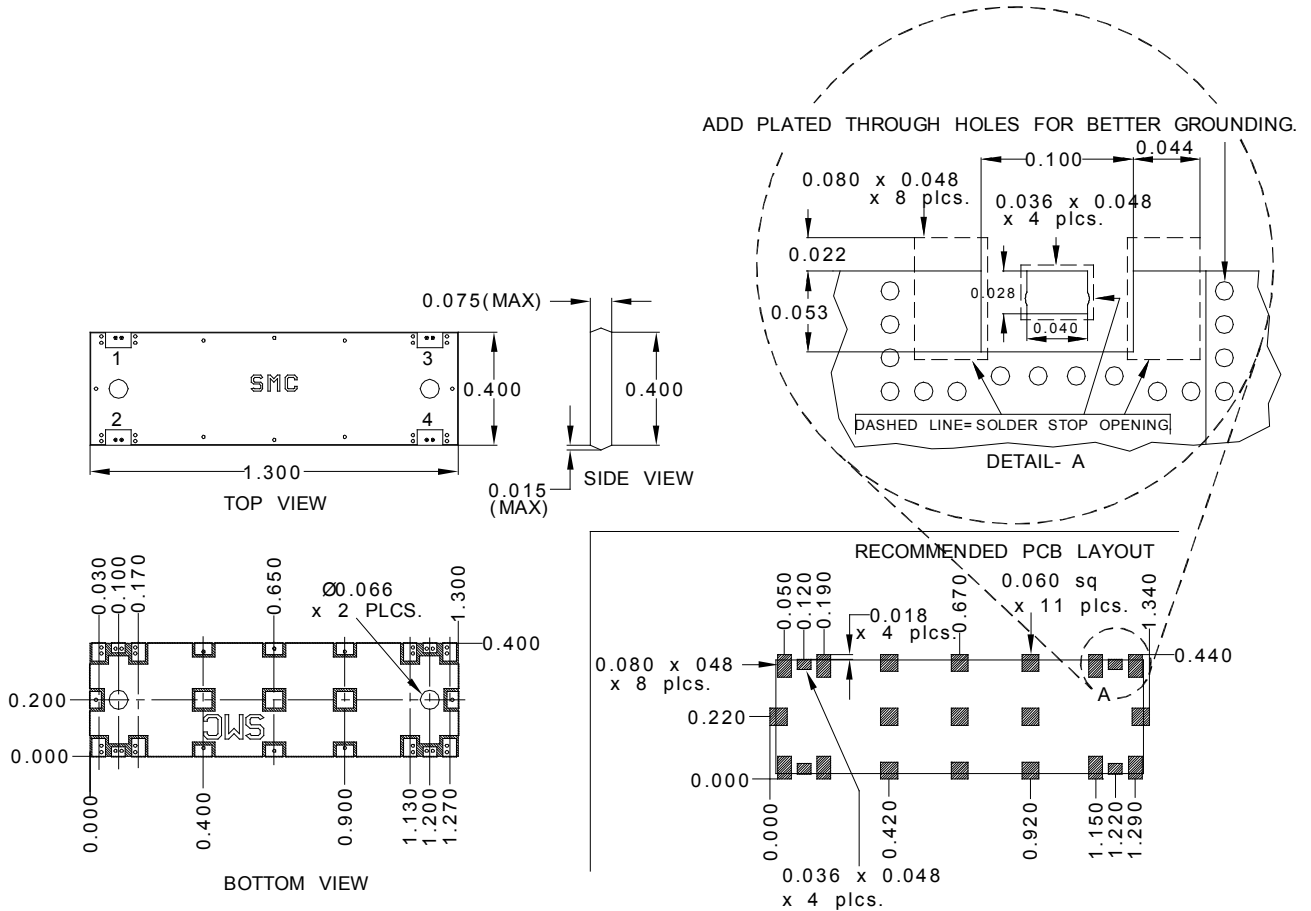
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Package # 327

REL-PRO® PATENT NO. 7,612,296



PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

PORT CONFIGURATION

	PORT CONFIGURATION			
In \ Out	1	2	3	4
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.

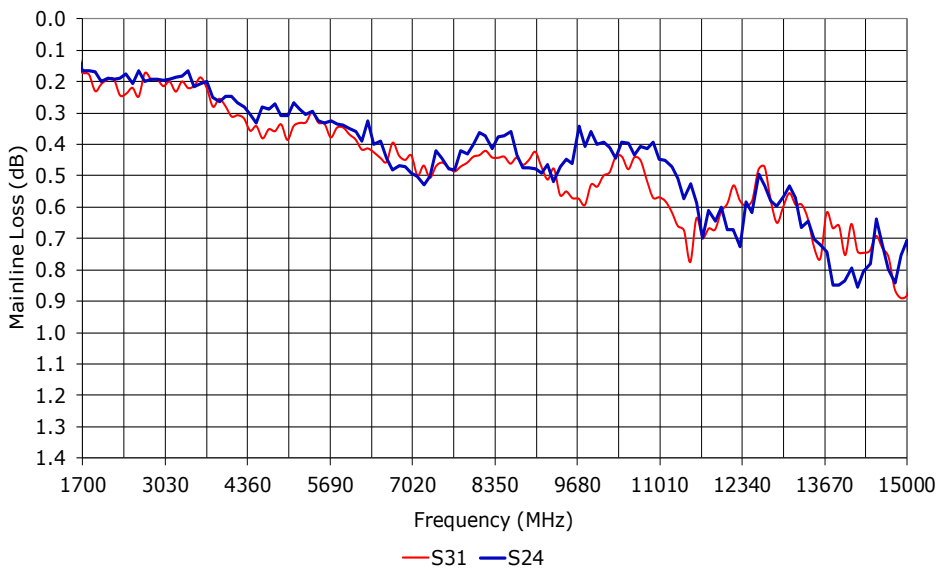
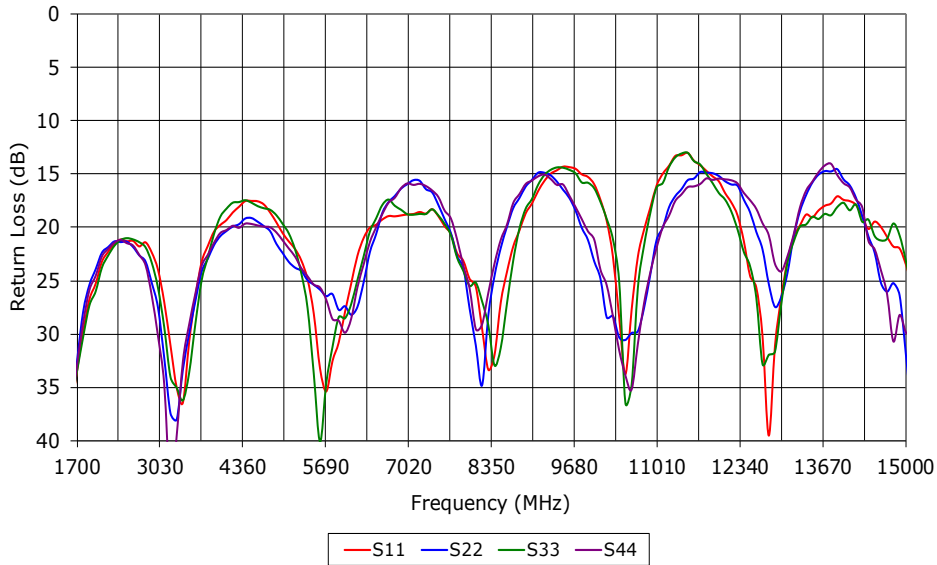
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PERFORMANCE PLOTS

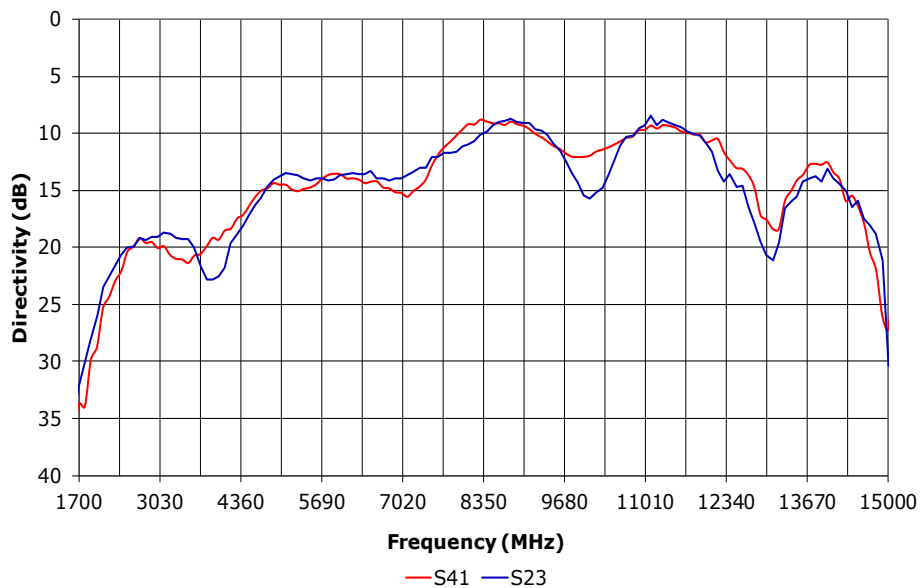


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