

2-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-C5A

WIDE BANDWIDTH

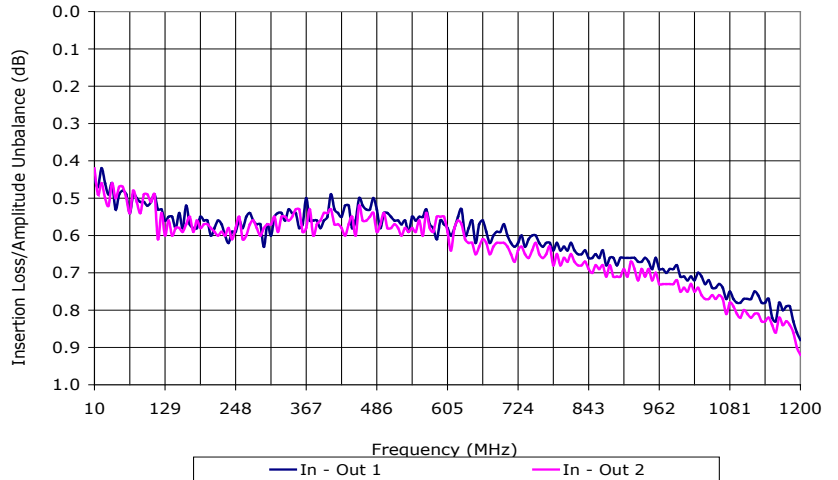
10 - 1200 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Small Size, Surface Mount
- ▶ Moderate Power

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS

Frequency	10 - 1200 MHz		
Insertion Loss (dB) *	Freq. (MHz)	Typ.	Max.
	10 - 100	0.5	0.7
	100 - 600	0.55	0.75
	600 - 1200	0.7	1.0
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	10 - 100	28	24
	100 - 600	26	22
	600 - 1200	24	20
Phase Unbalance	Freq. (MHz)	Typ.	Max.
	10 - 100	0.3°	2.0°
	100 - 600	1.5°	3.0°
	600 - 1200	2.5°	5.0°
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	10 - 100	0.02	0.1
	100 - 600	0.03	0.2
	600 - 1200	0.05	0.2
Input Power **	1 Watt (Max.)		
VSWR	Input	Output	
	1.18:1 (Typ.)	1.10:1 (Typ.)	
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		
* Above 3.0 dB theoretical split loss.			
** Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.			

Package # 357

RECOMMENDED PCB LAYOUT

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7301

Port Configuration		
Input	Output	Ground
6	4,8	All Others

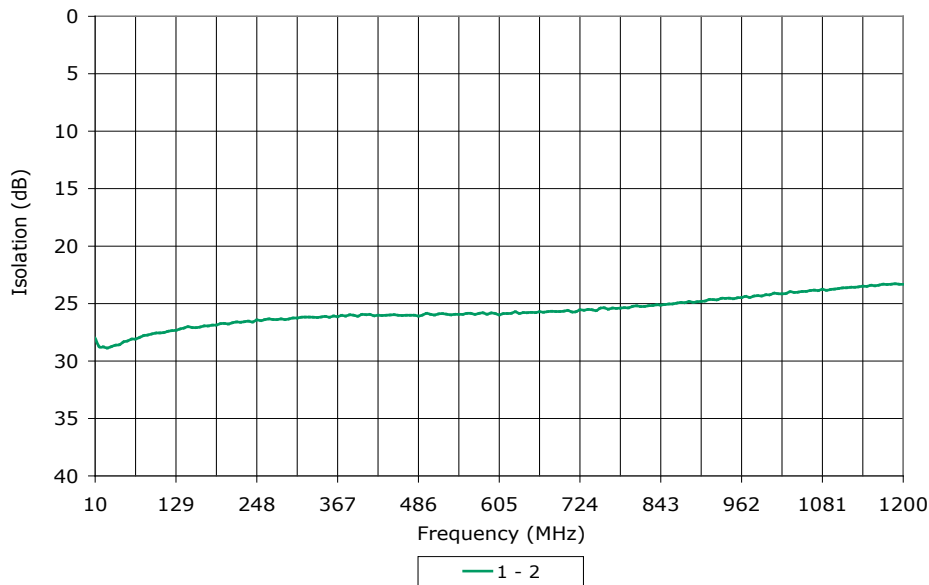
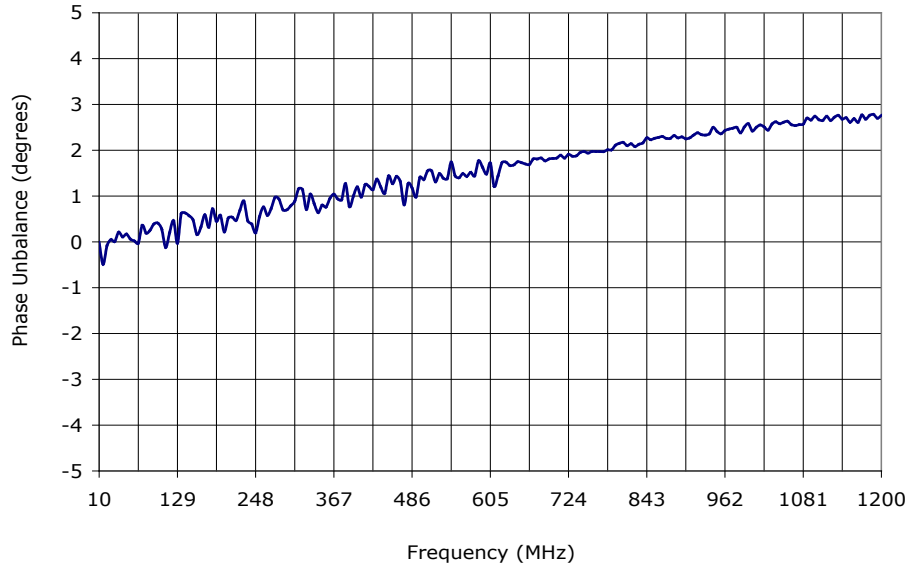
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Data @ 25°C



PERFORMANCE PLOTS

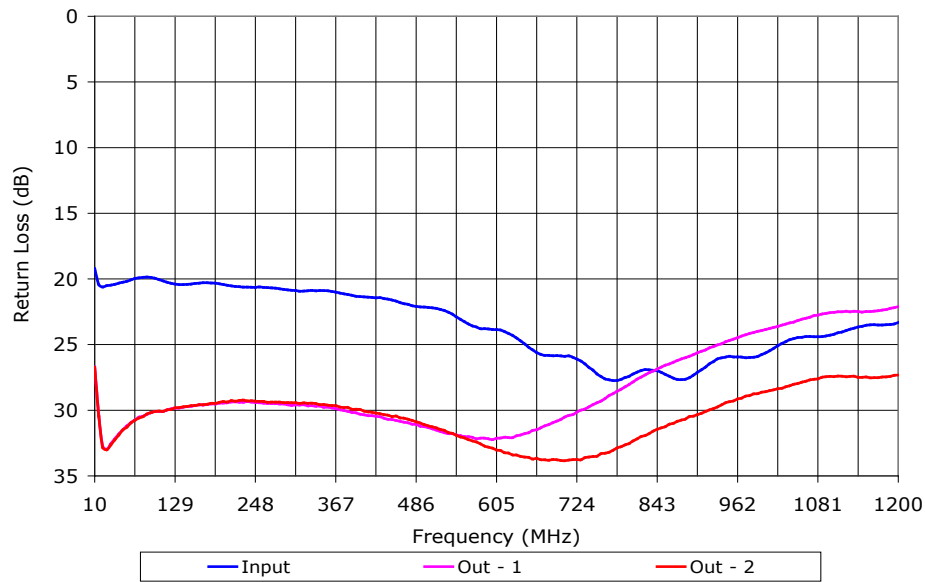
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