

2-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-C2

WIDE BANDWIDTH

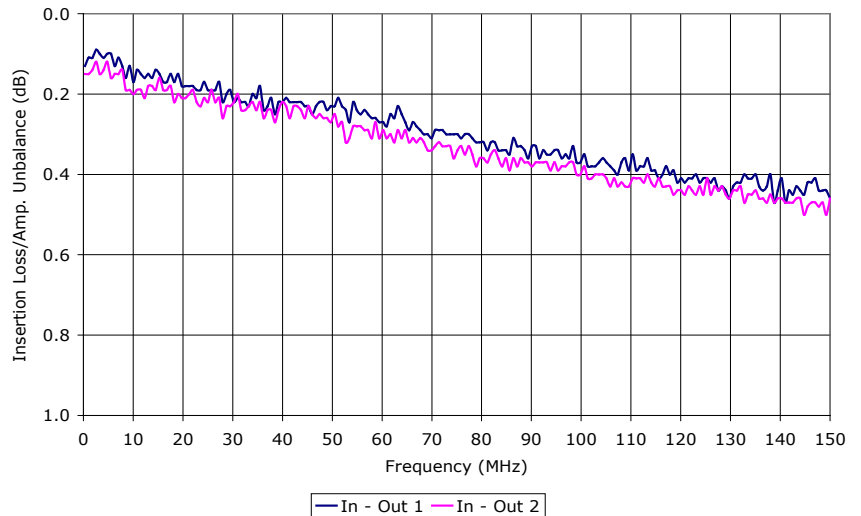
0.1 - 150 MHz

FEATURES:

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

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS (Rev. D 05/12/14)

Frequency	0.1 - 150 MHz		
Insertion Loss (dB) *	Freq. (MHz)	Typ.	Max.
	0.1 - 50	0.25	0.4
	50 - 150	0.45	0.7
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	0.1 - 50	35	25
	50 - 150	23	20
Phase Unbalance	Freq. (MHz)	Typ.	Max.
	0.1 - 50	0.5°	2.0°
	50 - 150	0.5°	2.0°
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	0.1 - 50	0.05	0.20
	50 - 150	0.05	0.20
Input Power **	1 Watt (Max.)		
VSWR	Input	Output	
	1.35:1 (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

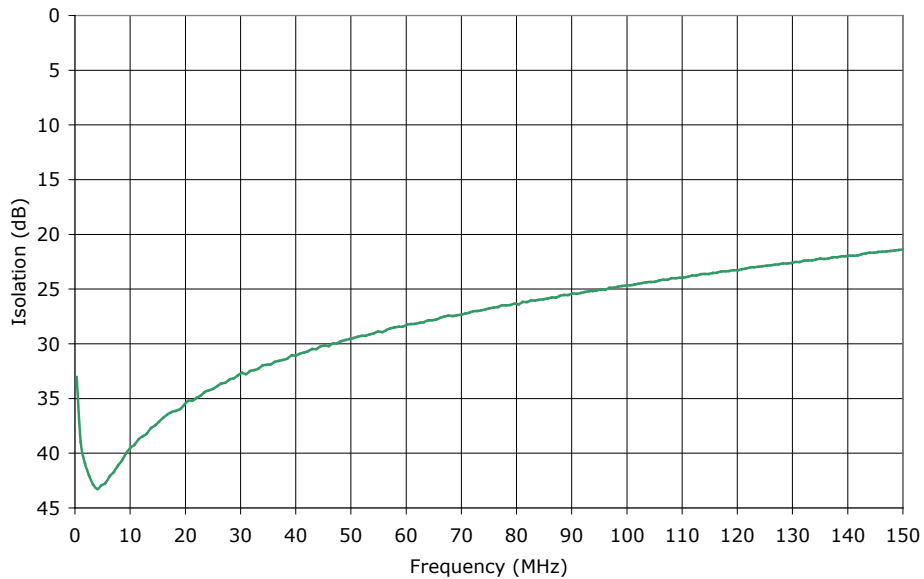
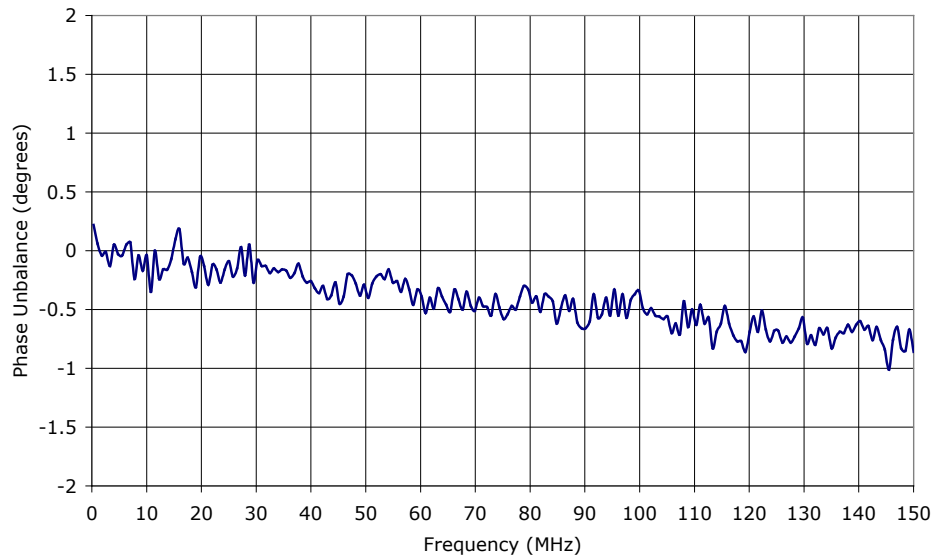
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Data @ 25°C



PERFORMANCE PLOTS

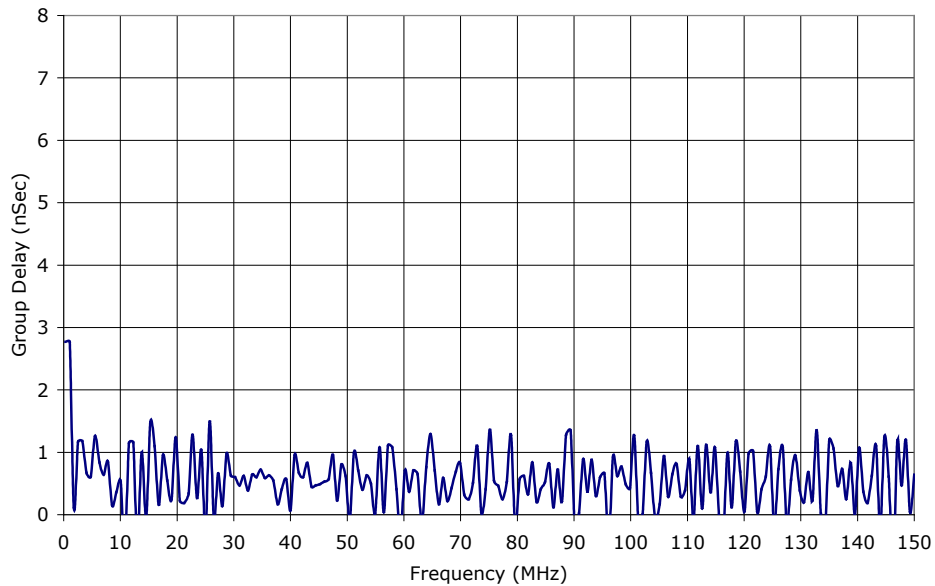
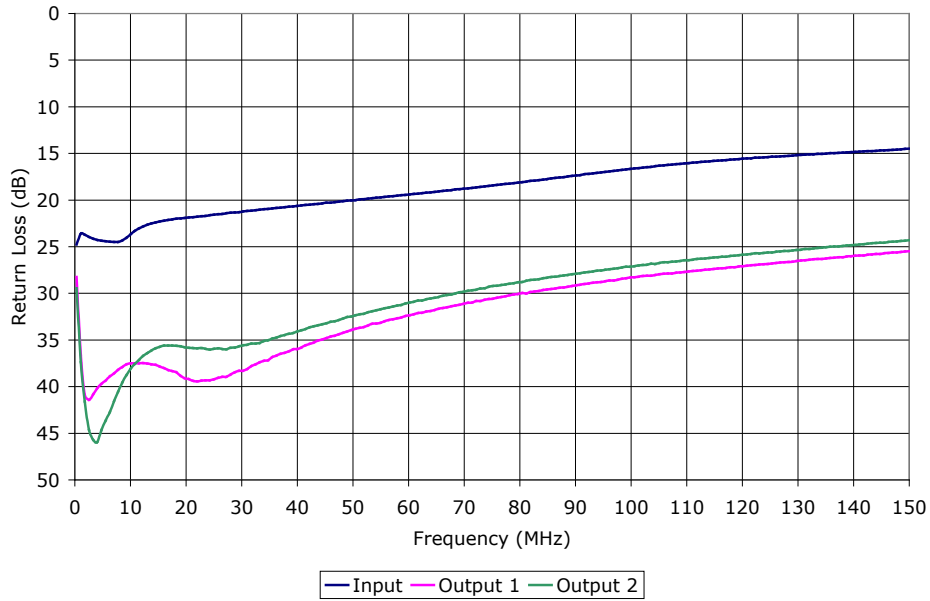
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