

2-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-10-215

WIDE BANDWIDTH

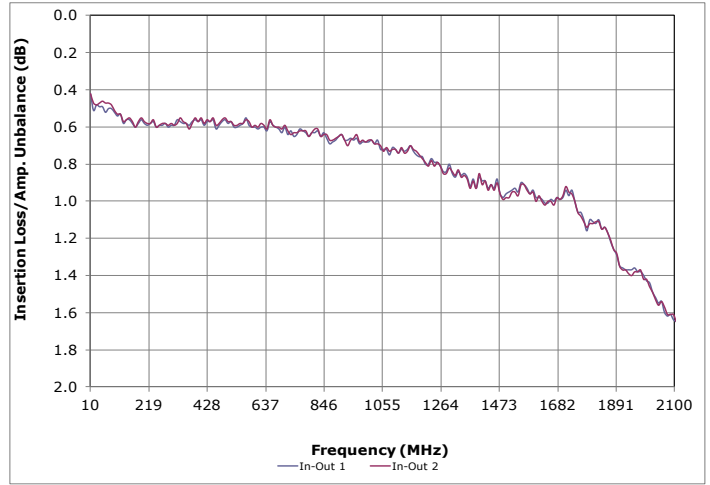
10 - 2150 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Small Size, Surface Mount
- ▶ Moderate Power
- ▶ Lead Free RoHS Compliant

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining

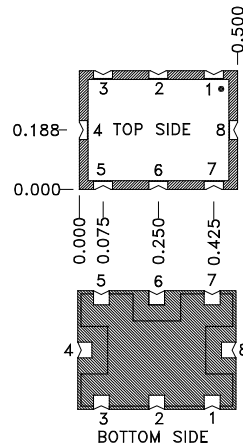


SPECIFICATIONS (Rev. A 05/12/14)

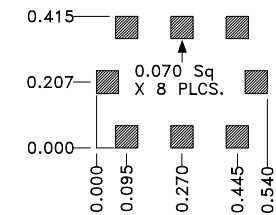
Frequency	10 - 2150 MHz		
Insertion Loss (dB) *	Freq. (MHz)	Typ.	Max.
	10 - 100	0.5	0.75
	100 - 1075	0.7	1.0
	1075 - 2150	1.6	2.2
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	10 - 100	23	20
	100 - 1075	23	18
	1075 - 2150	25	18
Phase Unbalance (Deg.)	Freq. (MHz)	Typ.	Max.
	10 - 100	0.5	2.0
	100 - 1075	3.0	6.0
	1075 - 2150	3.0	6.0
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	10 - 100	0.1	0.2
	100 - 1075	0.1	0.2
	1075 - 2150	0.2	0.4
Input Power **	1 Watt (Max.)		
VSWR	1.7:1 (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

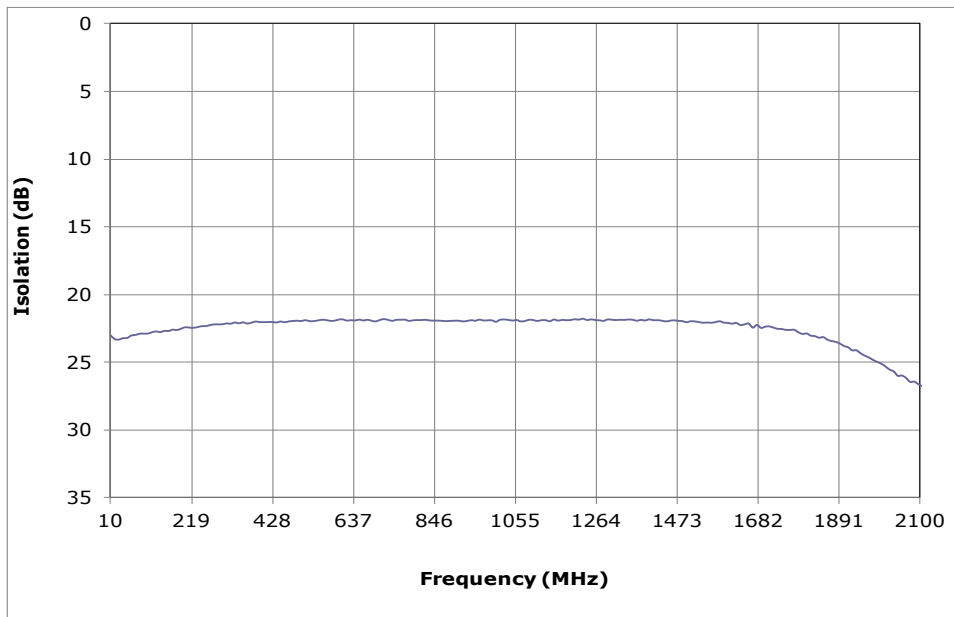
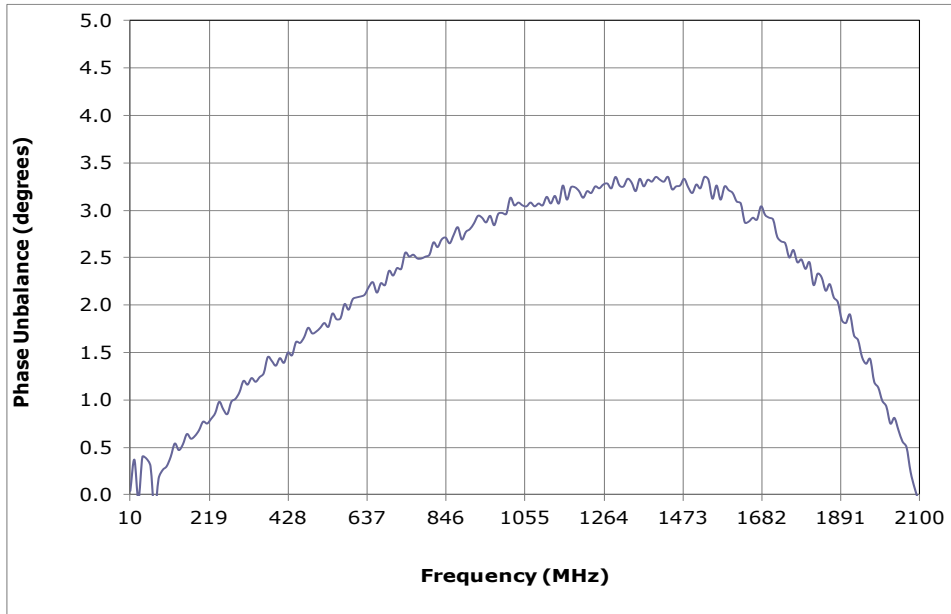
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Data @ 25°C



PERFORMANCE PLOTS

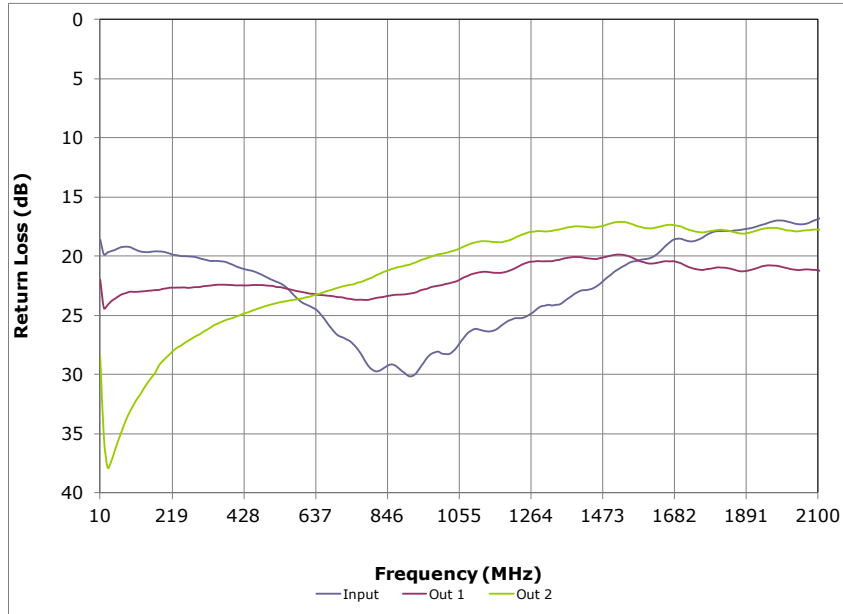
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