

# 2-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SPD-95-215

WIDE BANDWIDTH

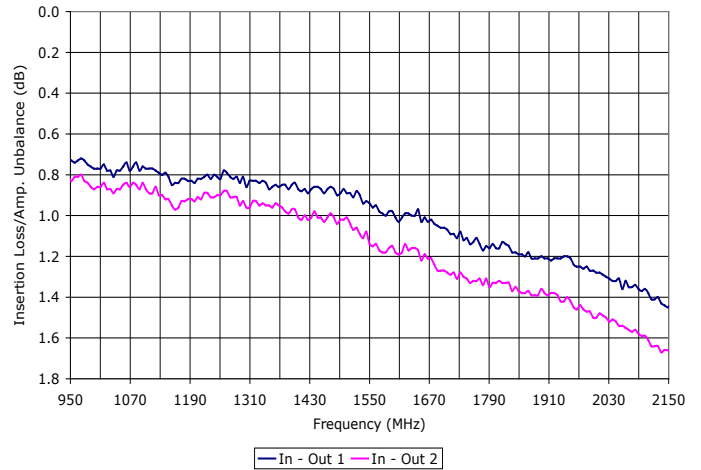
950 - 2150 MHz

**FEATURES:**

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

**APPLICATIONS:**

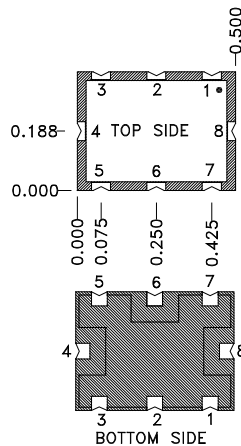
- ▶ Signal Splitting & Low Power Combining



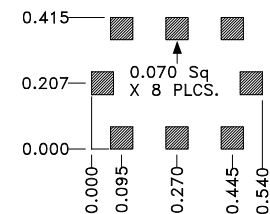
SPECIFICATIONS (Rev. B 05/12/14)

Frequency	950 - 2150 MHz	
Insertion Loss (dB) *	Typ. 1.7	Max. 2.2
Isolation (dB)	Typ. 18	Min. 15
Phase Unbalance	Typ. 3°	Max. 6°
Amplitude Unbalance (dB)	Typ. 0.2	Max. 0.5
Input Power **	1 Watt (Max.)	
VSWR	Input 1.25:1 (Typ.)	Output 1.20:1 (Typ.)
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +85 °C	
<p>* Above 3.0 dB theoretical split loss.                  ** Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.</p>		

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

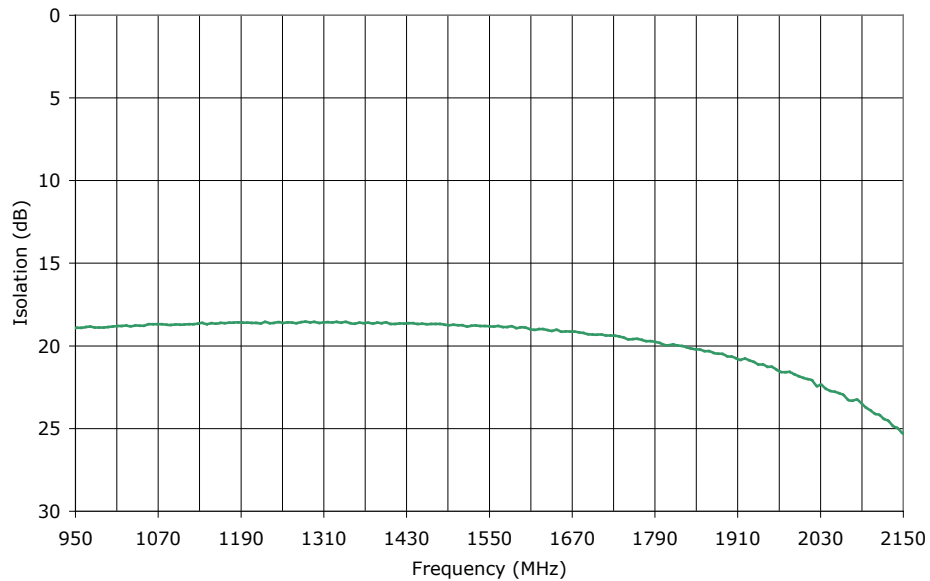
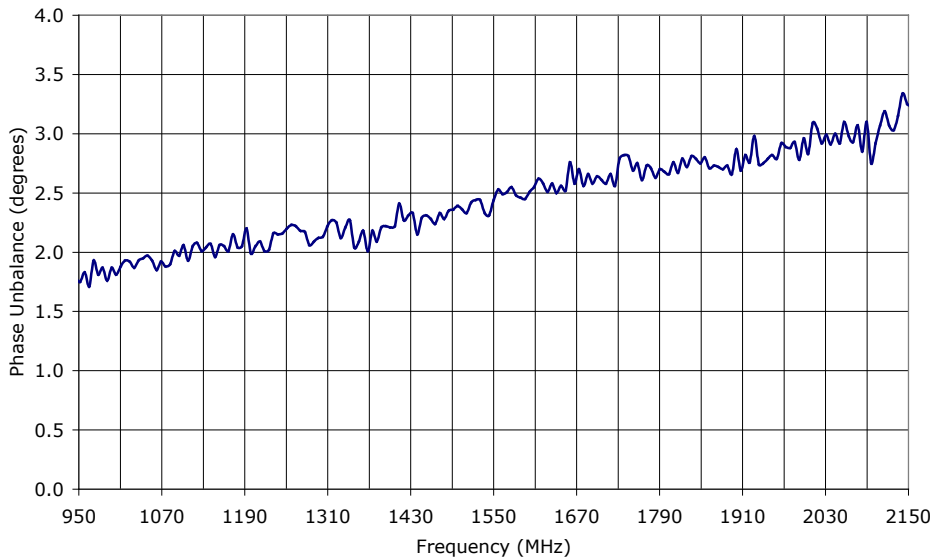
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Data @ 25°C



PERFORMANCE PLOTS

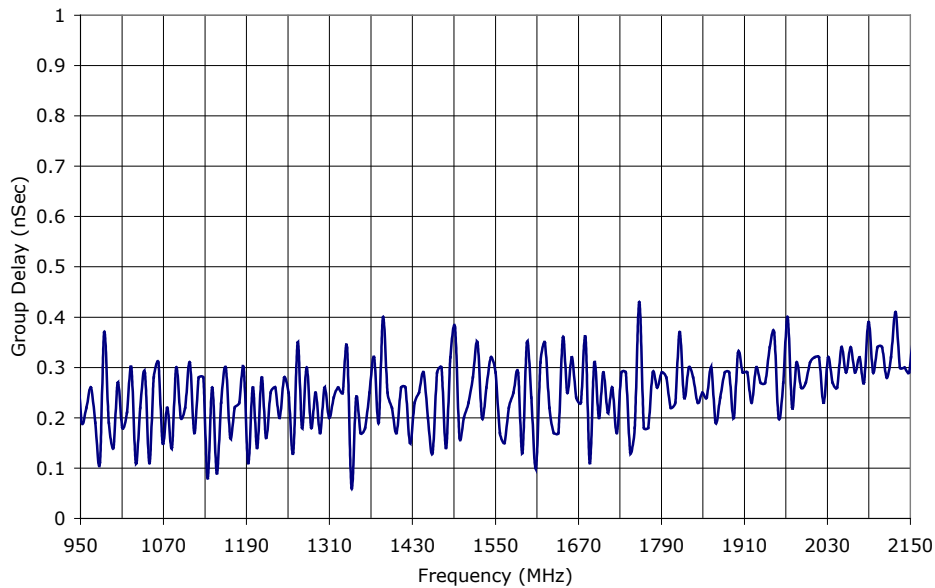
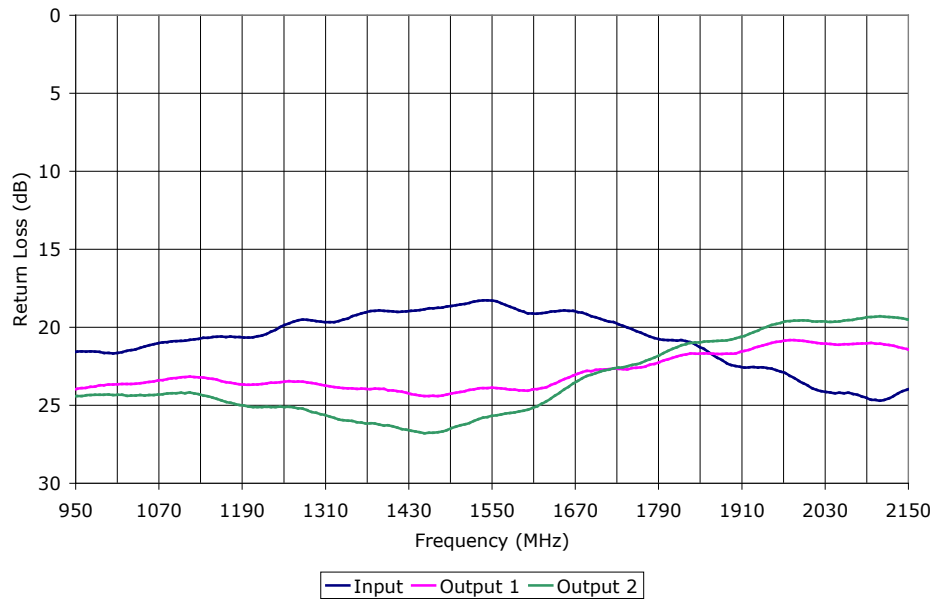
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