

# 2-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: P2D180900L

**WIDE BANDWIDTH**

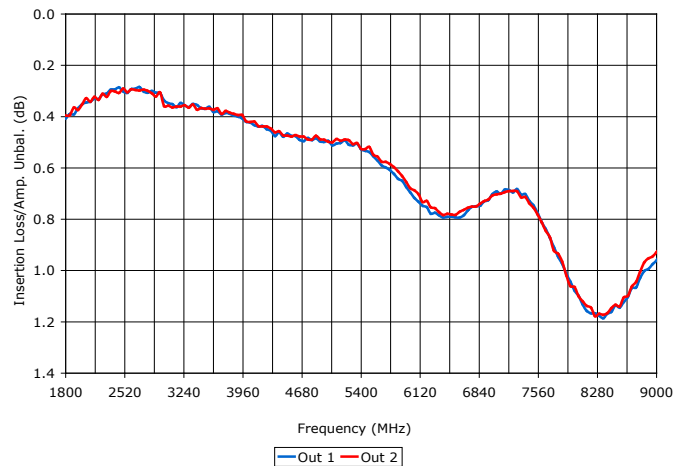
**1800 - 9000 MHz**

**FEATURES:**

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

**APPLICATIONS:**

- ▶ Signal Splitting & Low Power Combining



**SPECIFICATIONS (Rev. C 07/29/14)**

<b>Frequency</b>	1800 - 9000 MHz		
<b>Insertion Loss (dB) <sup>1</sup></b>	Freq. (MHz)	Typ.	Max.
	1800-4500	0.5	0.8
	4500-9000	1.2	1.6
<b>Isolation (dB)</b>	Freq. (MHz)	Typ.	Min.
	1800-9000	25	15
<b>Phase Unbalance (Deg.)</b>	Freq. (MHz)	Typ.	Max.
	1800-4500	0.4°	2.0°
	4500-9000	0.5°	4.0°
<b>Amplitude Unbalance (dB)</b>	Freq. (MHz)	Typ.	Max.
	1800-4500	0.05	0.2
	4500-9000	0.05	0.3
<b>VSWR</b>	1.75:1 (Typ.)		
<b>Input Power <sup>2</sup></b>	2 Watt (Avg.)		
<b>Impedance</b>	50 Ohms (Nom.)		
<b>Operating Temperature Range</b>	-55 to +100 °C		

<sup>1</sup> Insertion loss is above the theoretical 3.0 dB splitting loss.  
<sup>2</sup> Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

**Package #** 336

**REL-PRO PATENT NO. 7,612,296**

TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

RECOMMENDED PCB LAYOUT

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

Port Configuration		
Input	Output	Ground
1	7,11	All Other

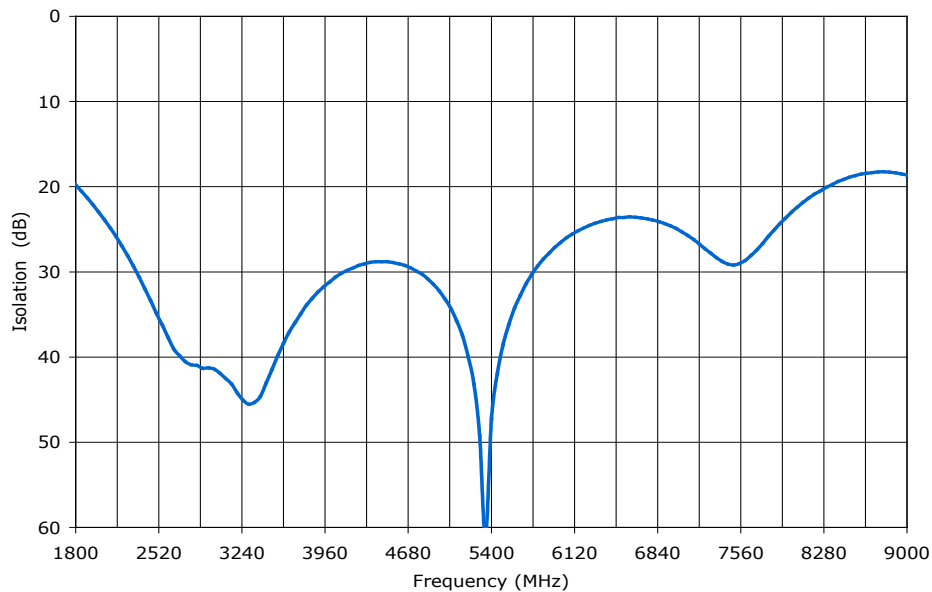
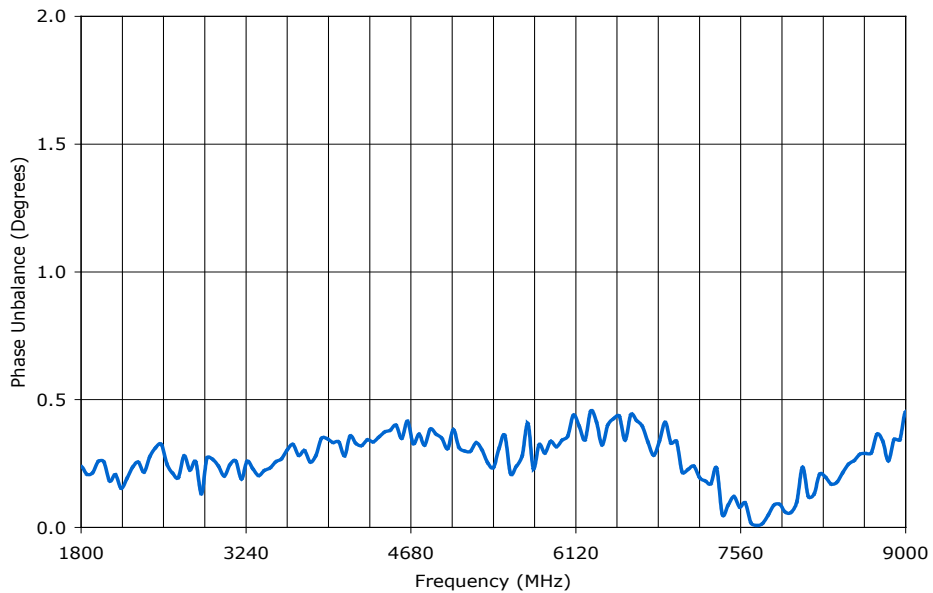
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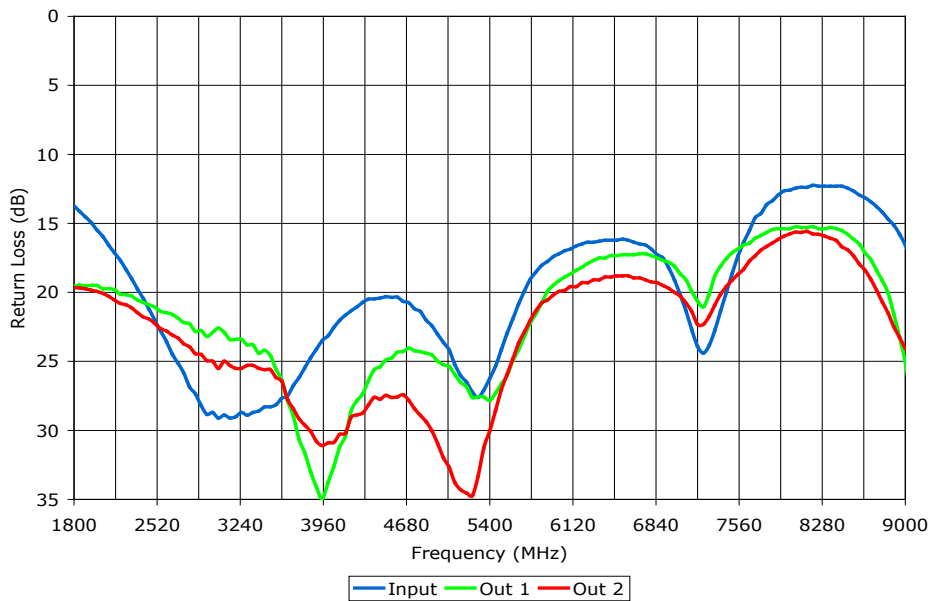


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