

# 4-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SPD-5-2000

**WIDE BANDWIDTH**

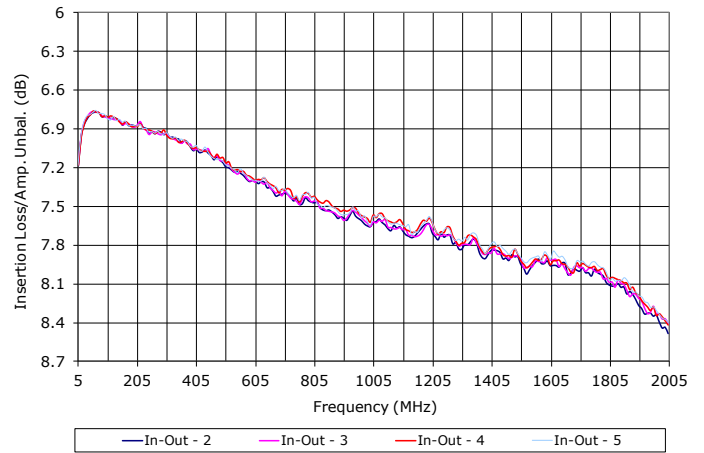
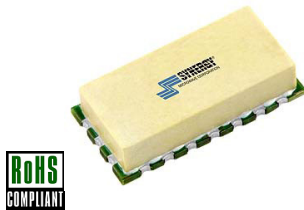
**5 - 2000 MHz**

**FEATURES:**

- ▶ Excellent Performance
- ▶ Moderate Power

**APPLICATIONS:**

- ▶ Signal Splitting & Low Power Combining



**SPECIFICATIONS**

<b>Frequency</b>	5 - 2000 MHz		
<b>Insertion Loss (dB) <sup>1</sup></b>	Freq. (MHz)	Typ.	Max.
	5 - 50	1.3	1.8
	50 - 1000	1.6	2.3
	1000 - 2000	2.5	2.8
<b>Isolation (dB)</b>	Freq. (MHz)	Typ.	Min.
	5 - 50	25	20
	50 - 1000	20	15
	1000 - 2000	20	15
<b>Phase Unbalance (Deg.)</b>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.05	2.0
	50 - 1000	0.7	4.0
	1000 - 2000	4.0	8.0
<b>Amplitude Unbalance (dB)</b>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.01	0.2
	50 - 1000	0.01	0.4
	1000 - 2000	0.01	0.6
<b>VSWR</b>	Input	1.4:1	
	Output	1.2:1	
<b>Input Power <sup>2</sup></b>	1 Watt (CW)		
<b>Impedance</b>	50 Ohms (Nom.)		
<b>Operating Temperature Range</b>	-55 to +85 °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 #** 219

**Port Configuration**

Input	Output	GND.
1	2,3,4,5	All Others

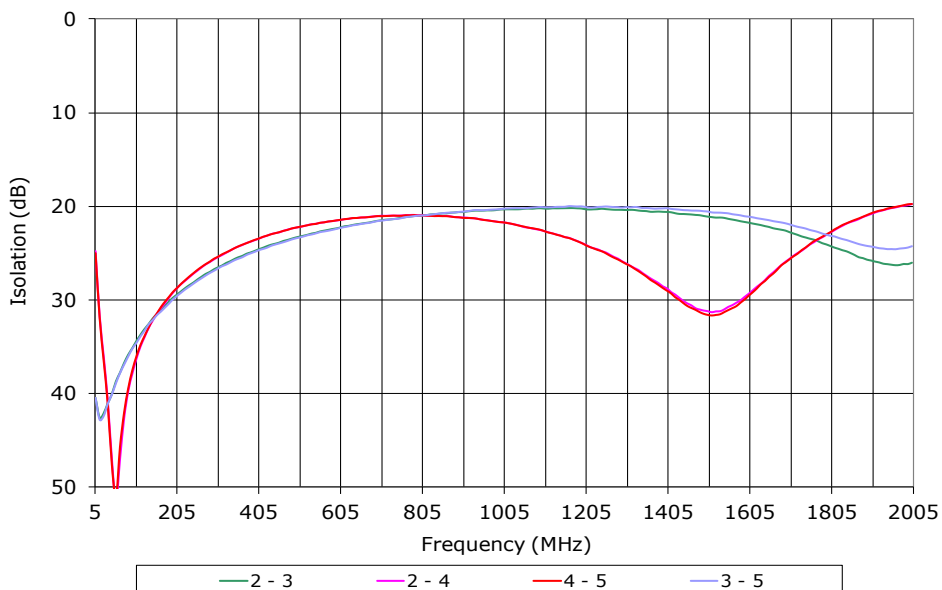
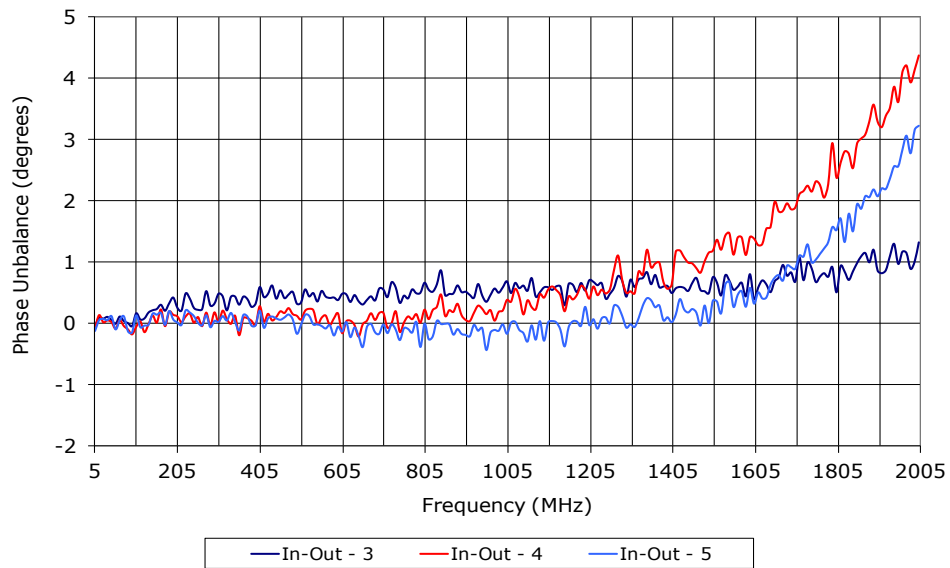
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PERFORMANCE PLOTS

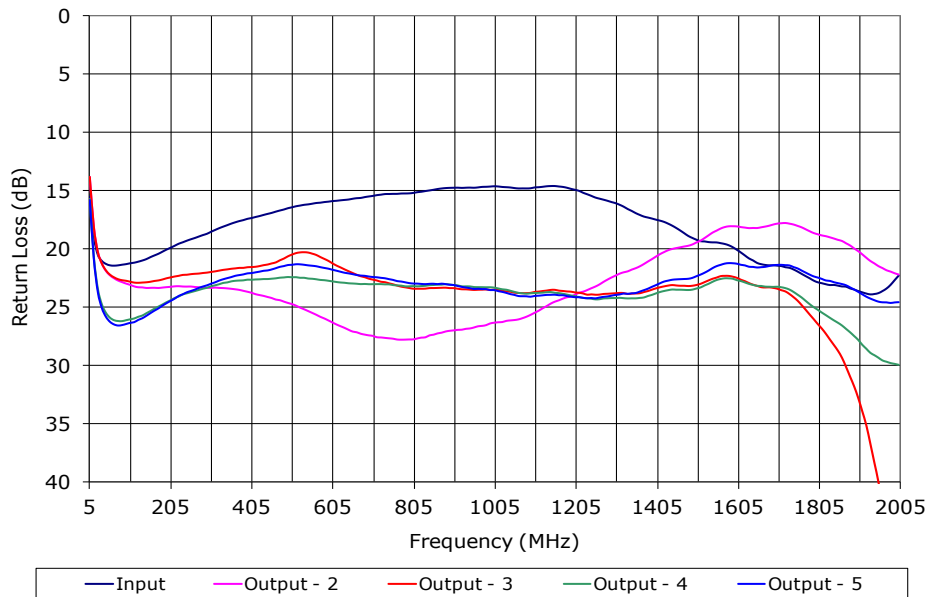


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