

# 3-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SD-135

**WIDE BANDWIDTH**

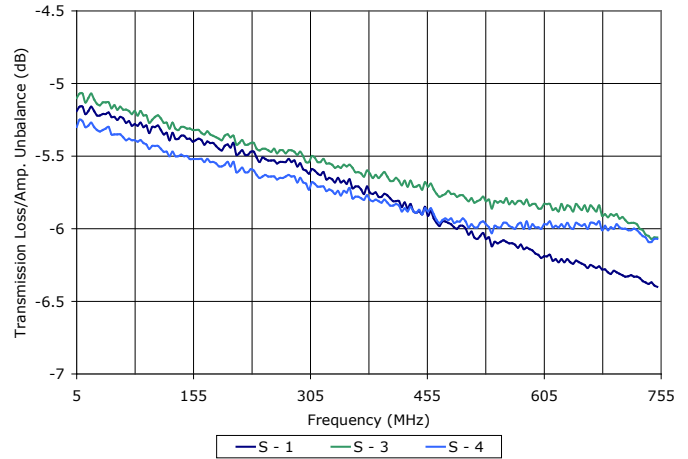
**5 - 750 MHz**

**FEATURES:**

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

**APPLICATIONS:**

- ▶ Signal Splitting & Low Power Combining



**SPECIFICATIONS**

Frequency	5 - 750 MHz		
Insertion Loss (dB) <sup>1</sup>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.6	1.4
	50 - 350	0.8	1.6
	350 - 750	1.5	1.8
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	5 - 50	25	18
	50 - 350	25	20
	350 - 750	23	18
Phase Unbalance (Deg.)	Freq. (MHz)	Typ.	Max.
	5 - 50	1	3
	50 - 350	2	5
	350 - 750	3	7
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	5 - 50	0.2	0.3
	50 - 350	0.2	0.5
	350 - 750	0.5	0.75
VSWR	1.2:1 (Typ.)		
Input Power <sup>2</sup>	1 Watt (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

<sup>1</sup> Insertion loss is above the theoretical 4.8 dB splitting loss.  
<sup>2</sup> Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

**Package #** 134

Port Configuration		
Input	Output	GND.
6	1,3,4	2,5

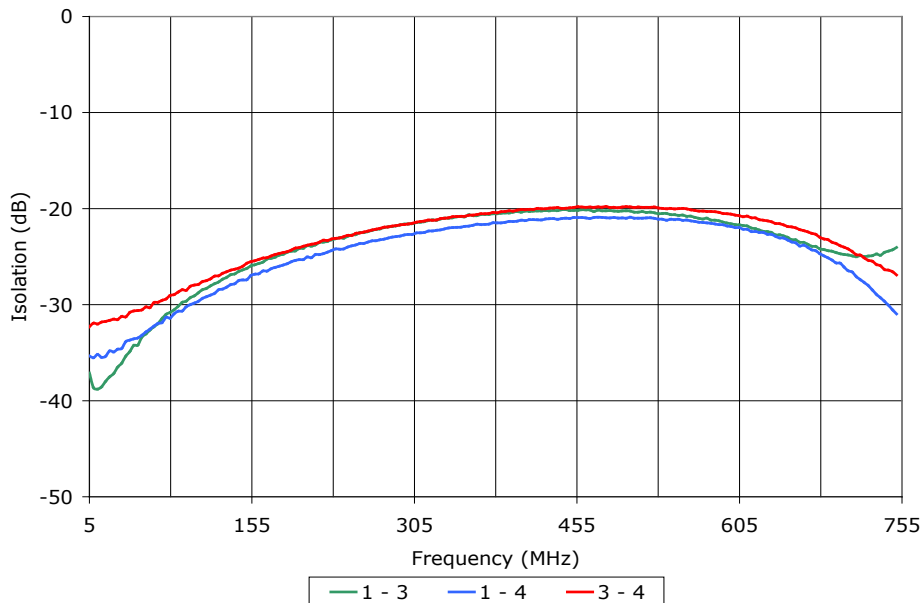
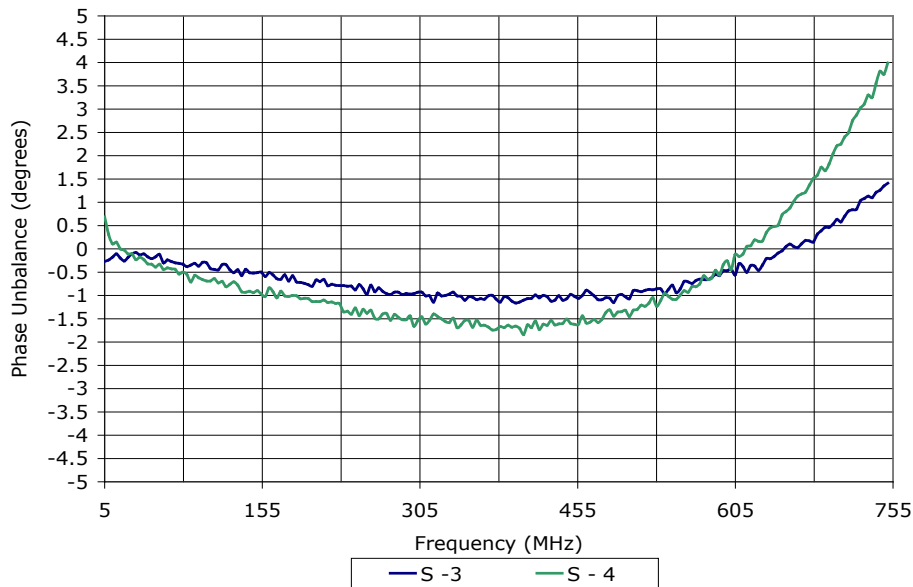
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Data @ 25 °C



PERFORMANCE PLOTS

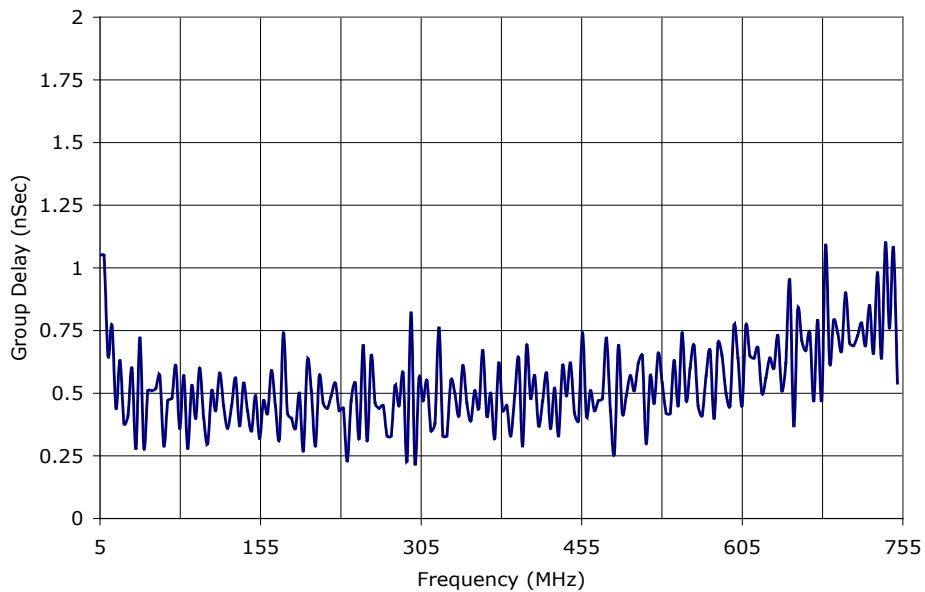
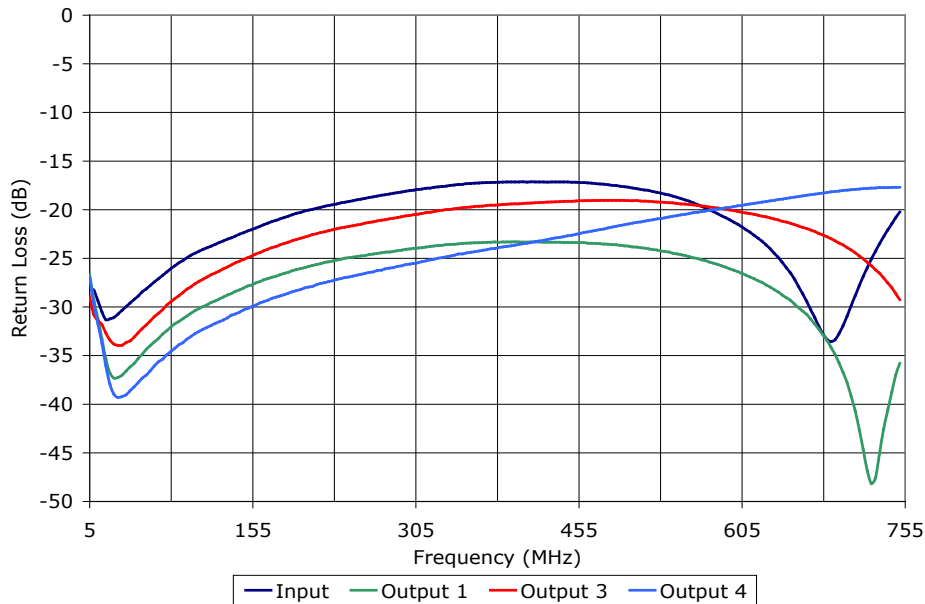
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