

# 2-WAY POWER DIVIDER

## CONNECTORIZED MODEL: DSK-709S

**WIDE BANDWIDTH**

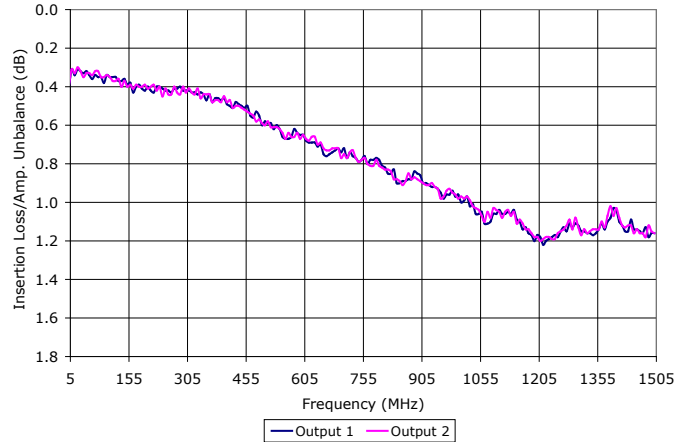
**5 - 1500 MHz**

**FEATURES:**

- ▶ Excellent Performance
- ▶ Low Power

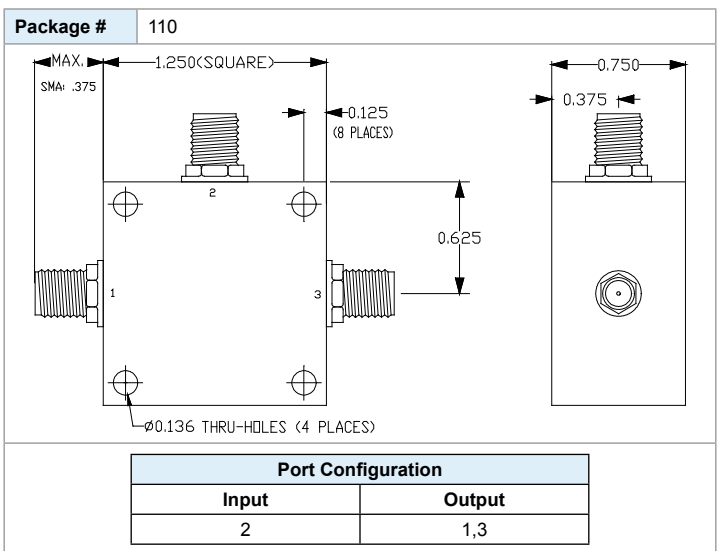
**APPLICATIONS:**

- ▶ Signal Splitting & Low Power Combining



**SPECIFICATIONS (Rev. A 01/10/11)**

<b>Frequency</b>	5 - 1500 MHz		
<b>Insertion Loss (dB)<sup>1</sup></b>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.2	0.5
	50 - 750	0.8	1.1
	750 - 1500	1.2	1.5
<b>Isolation (dB)</b>	Freq. (MHz)	Typ.	Min.
	5 - 50	27	23
	50 - 750	27	23
	750 - 1500	27	23
<b>Phase Unbalance (Deg.)</b>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.3	2.0
	50 - 750	0.8	2.0
	750 - 1500	1.0	3.0
<b>Amplitude Unbalance (dB)</b>	Freq. (MHz)	Typ.	Max.
	5 - 50	0.03	0.20
	50 - 750	0.03	0.25
	750 - 1500	0.03	0.30
<b>VSWR</b>	1.4:1 (Typ.)		
<b>Input Power <sup>2</sup></b>	1 Watt (Max.)		
<b>Operating Temperature Range</b>	-40 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.			



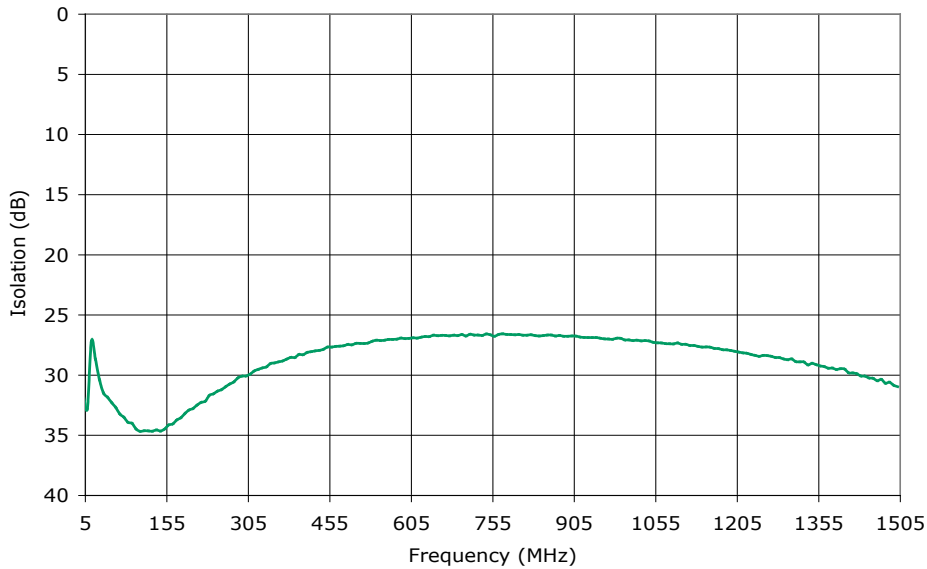
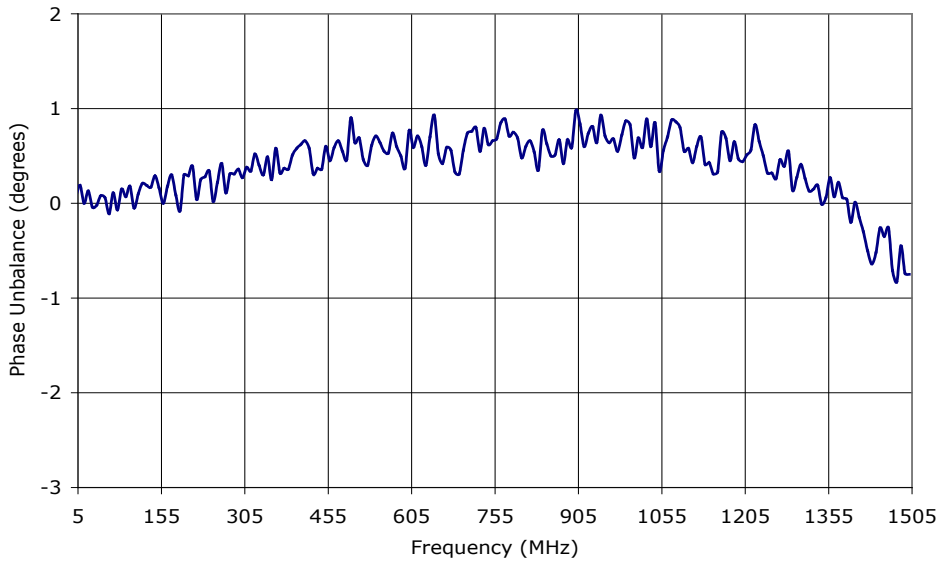
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PERFORMANCE PLOTS



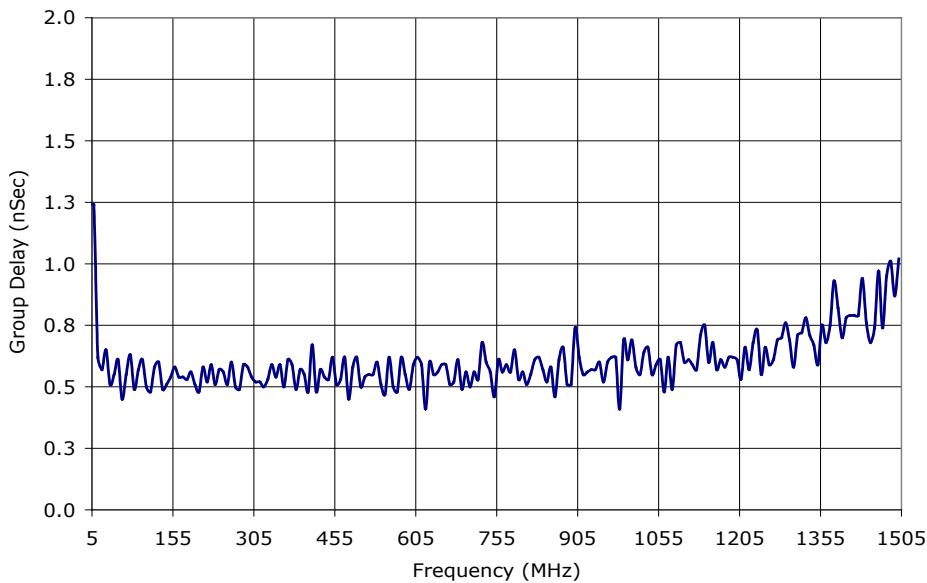
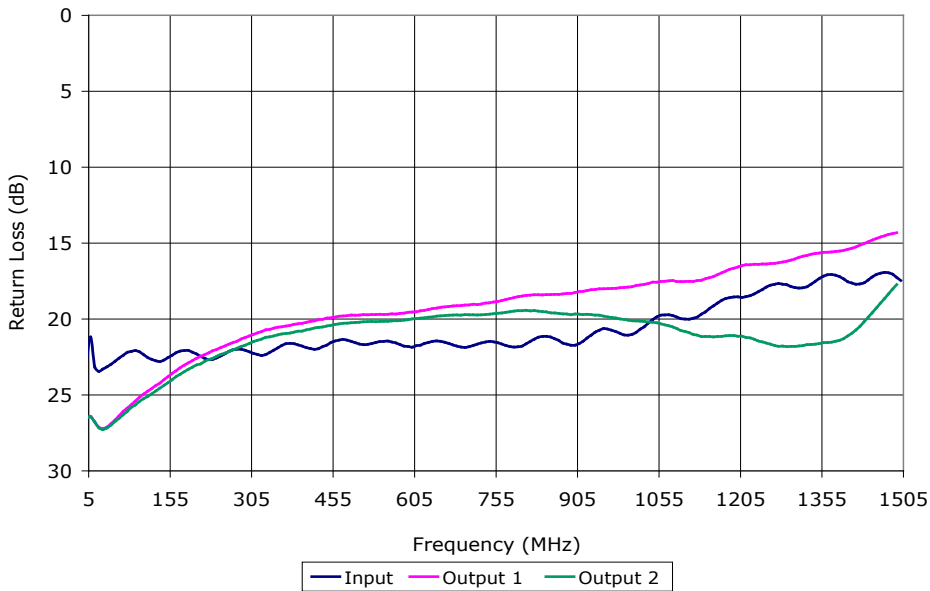
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PERFORMANCE PLOTS



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