

6-WAY POWER DIVIDER

CONNECTORIZED MODEL: DFK-705S

WIDE BANDWIDTH

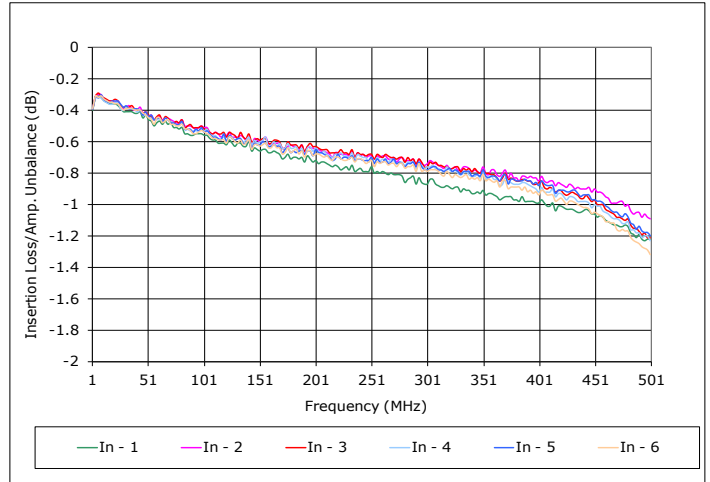
1 - 500 MHz

FEATURES:

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

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS

Frequency	1 - 500 MHz		
Insertion Loss (dB) *	Freq. (MHz)	Typ.	Max.
	1 - 10	0.3	0.6
	10 - 250	0.7	1.2
	250 - 500	1.2	1.8
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	1 - 10	30	25
	10 - 250	28	23
	250 - 500	20	15
Phase Unbalance	Freq. (MHz)	Typ.	Max.
	1 - 10	0.2°	1°
	10 - 250	2°	4°
	250 - 500	4°	8°
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	1 - 10	0.05	0.2
	10 - 250	0.1	0.3
	250 - 500	0.2	0.5
Input Power **	1 Watt (Max.)		
VSWR	1.2:1 (Typ.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

* Above 7.78 dB theoretical split loss.
 ** Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

Package # 142

TOP VIEW

Dimensions: 0.250, 1.50, 0.750, 1.50, 2.75, 3.00, 0.500, 0.250, MAX, SMA: 0.375

0.500 S PL.

4-40 UNC-2B TAPPED HOLE 0.250 DP ON FAR SIDE.

Connector Type: SMA Female

PORT CONFIGURATION	
Input	Output
1	2,3,4,5,6,7



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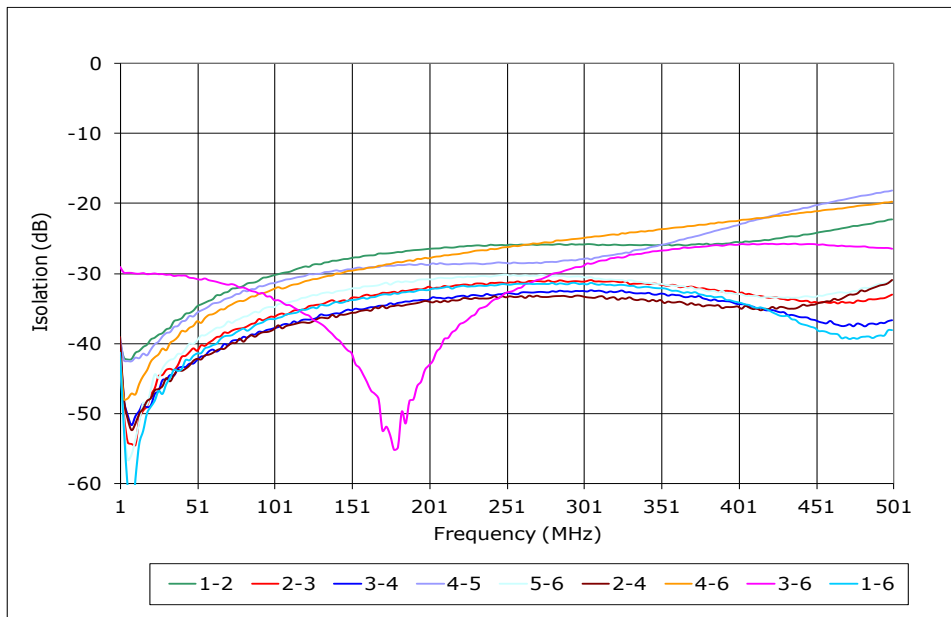
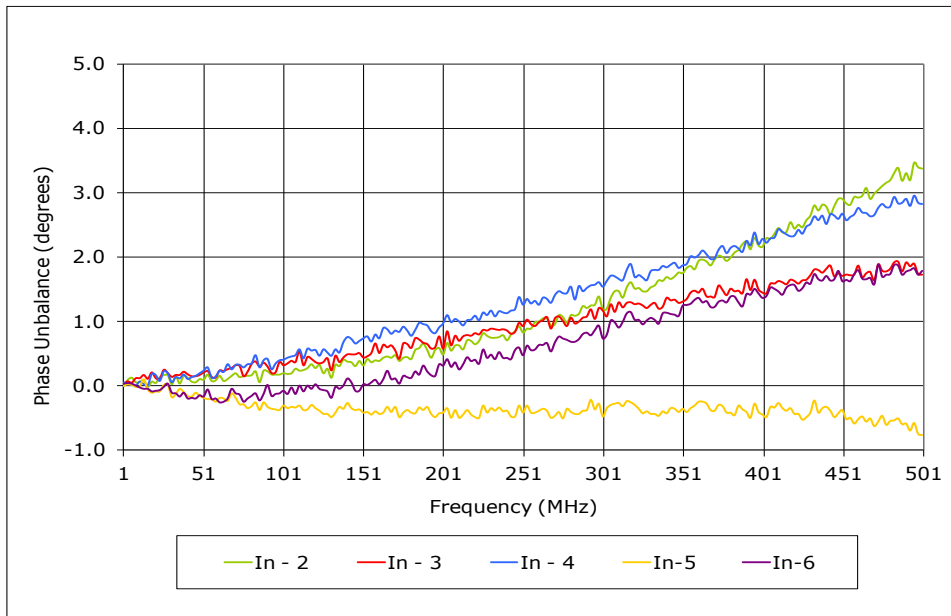
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DATA @ 25°C

PERFORMANCE PLOTS



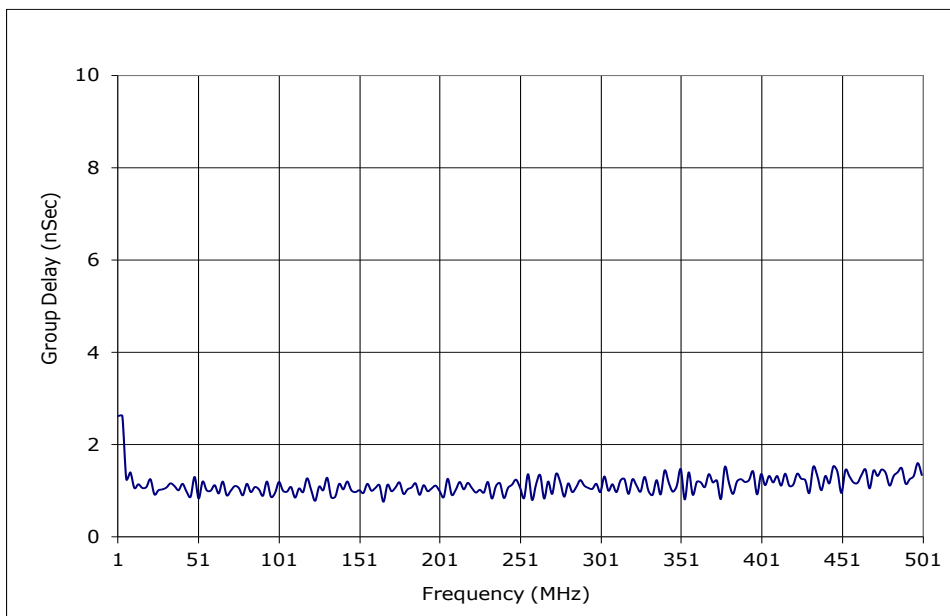
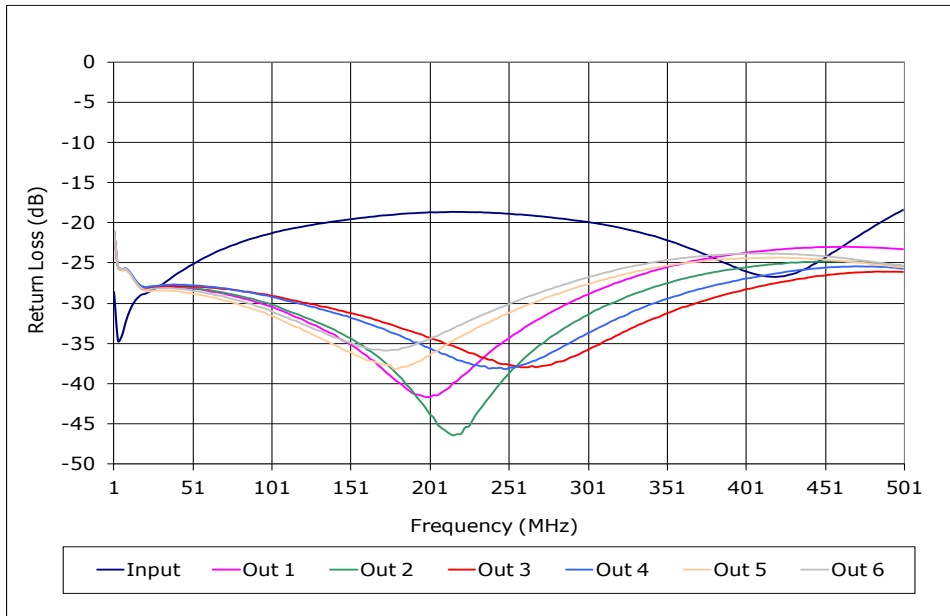
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