

6-WAY POWER DIVIDER

CONNECTORIZED MODEL: DFK-705S

WIDE BANDWIDTH

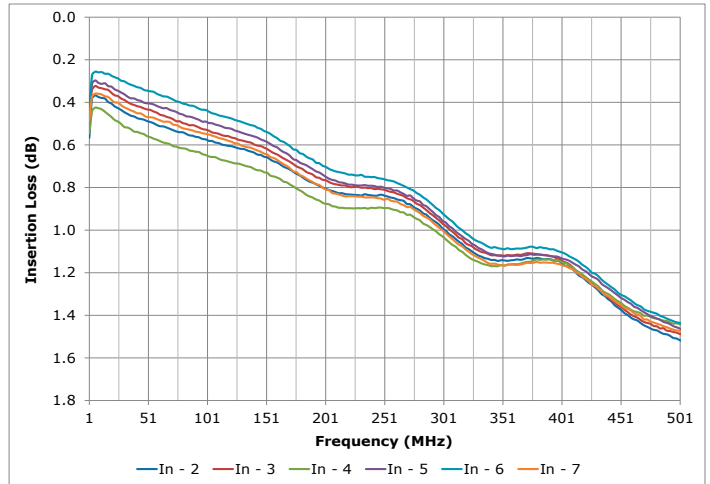
1 - 500 MHz

FEATURES:

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

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS (Rev. A 03/24/21)

Frequency	1 - 500 MHz		
Insertion Loss (dB) *	Freq. (MHz)	Typ.	Max.
	1 - 10	0.3	0.6
	10 - 250	0.8	1.2
	250 - 500	1.5	1.8
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	1 - 10	30	25
	10 - 250	23	20
	250 - 500	23	15
Phase Unbalance	Freq. (MHz)	Typ.	Max.
	1 - 10	2.5°	4.0°
	10 - 250	2.5°	4.0°
	250 - 500	4.0°	8.0°
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	1 - 10	0.15	0.4
	10 - 250	0.20	0.4
	250 - 500	0.1	0.5
Input Power **	1 Watt (Max.)		
VSWR	1.3:1 (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

Connector Type: SMA Female

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



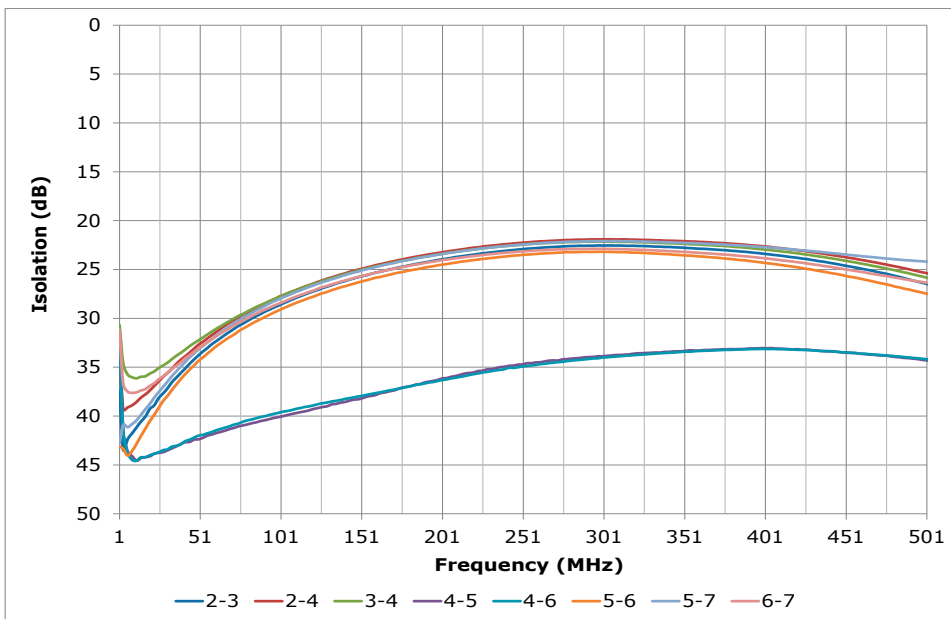
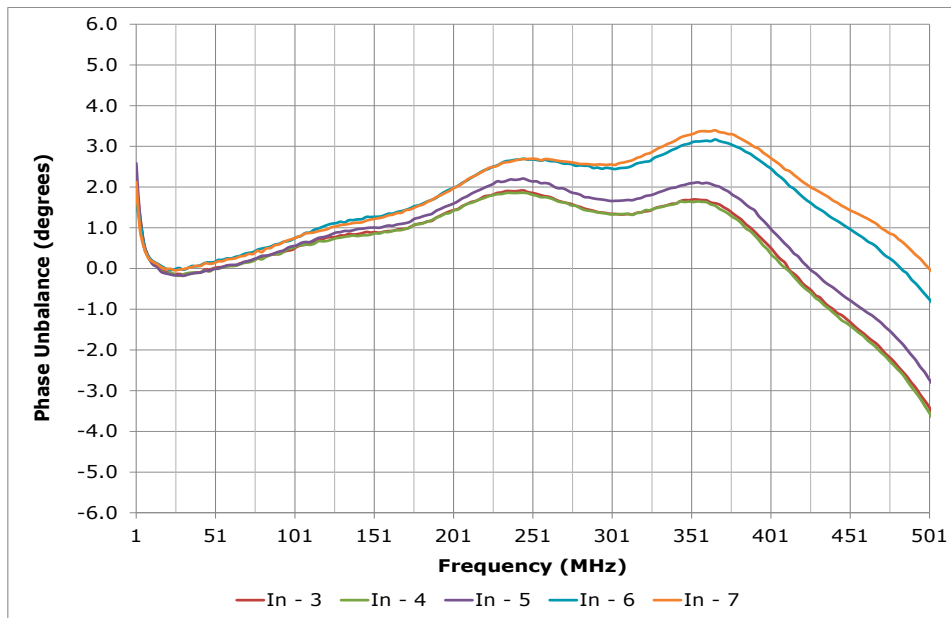
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DATA @ 25°C



PERFORMANCE PLOTS

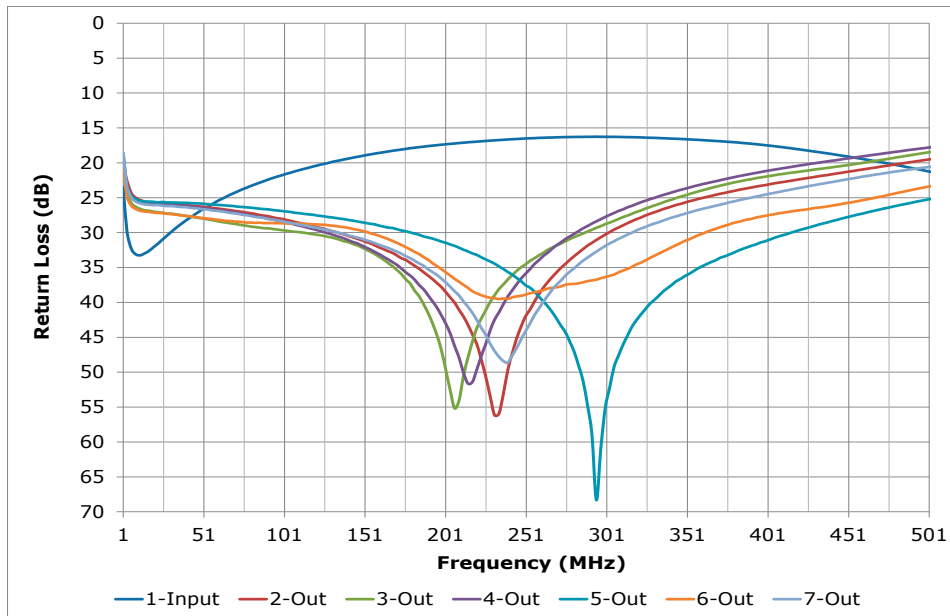
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