

6-WAY POWER DIVIDER

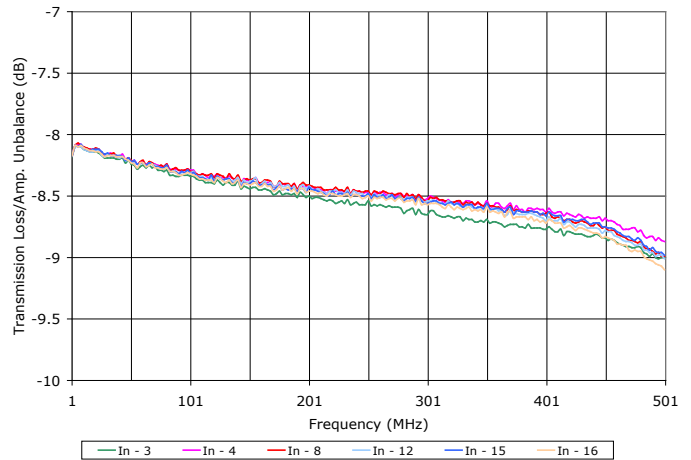
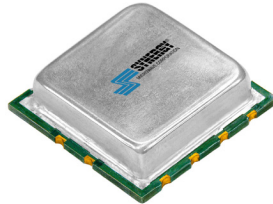
SURFACE MOUNT MODEL: DFS-905

WIDE BANDWIDTH

1 - 500 MHz

FEATURES:

- ▶ Wide Bandwidth
- ▶ Low Loss
- ▶ Closely Controlled Phase/Amplitude Unbalance



SPECIFICATIONS (Rev. D 05/14/14)

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		
Storage Temperature Range	-55 to +100 °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 # 124SL

PORT CONFIGURATION			
Input	Output	Gnd.	No Connection
1	3,4,8,12,15,16	2,5,9,13,14	6,7,10,11

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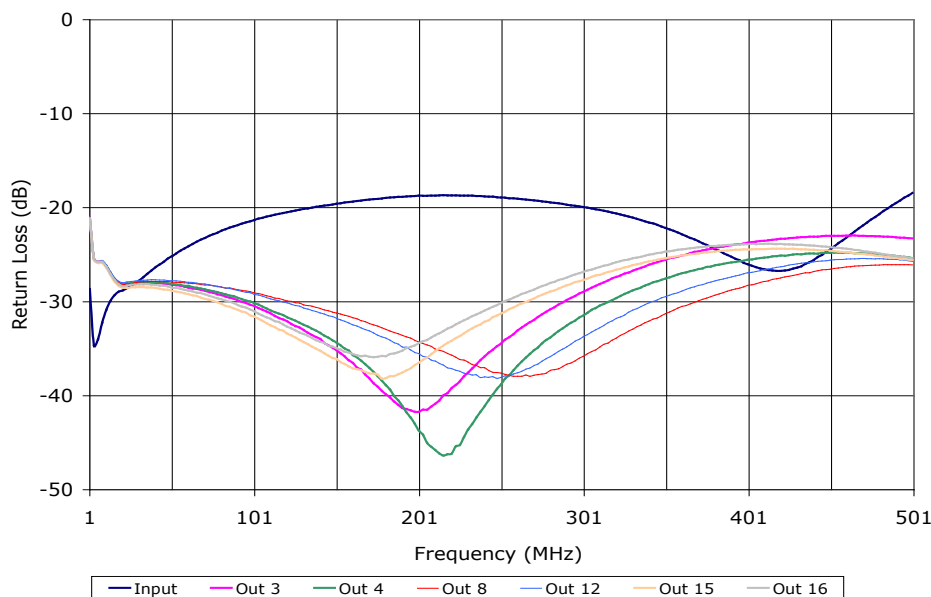
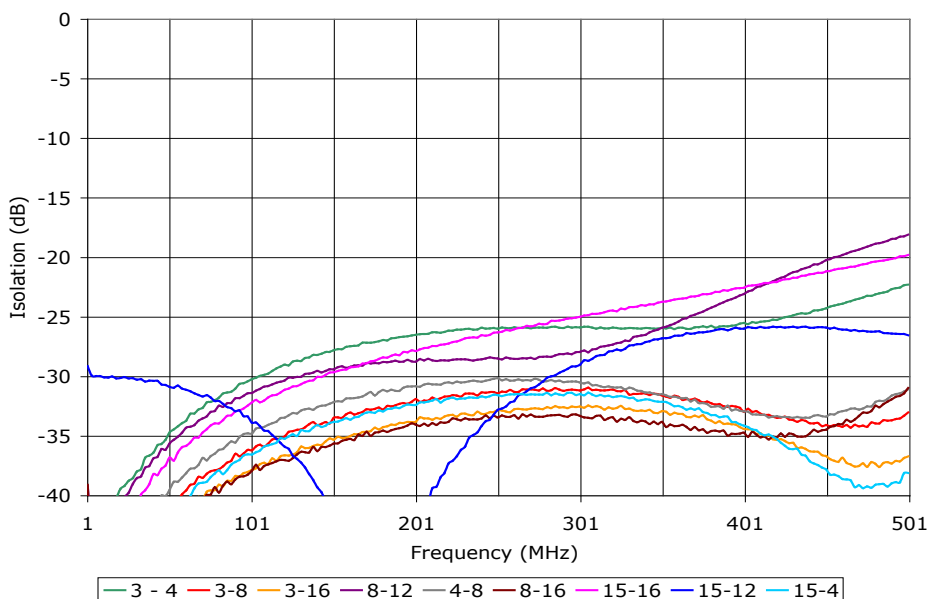
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Data @ 25°C

PERFORMANCE PLOTS



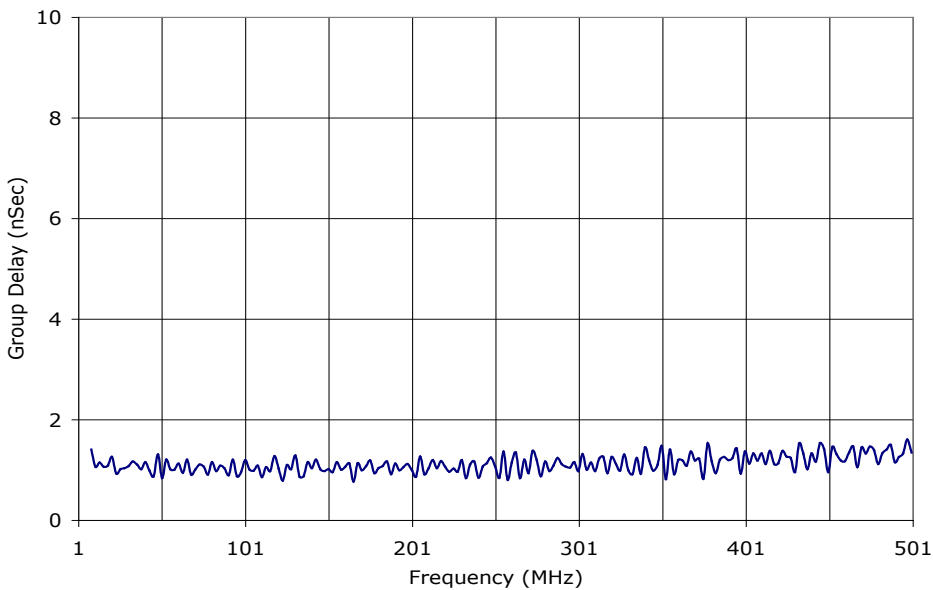
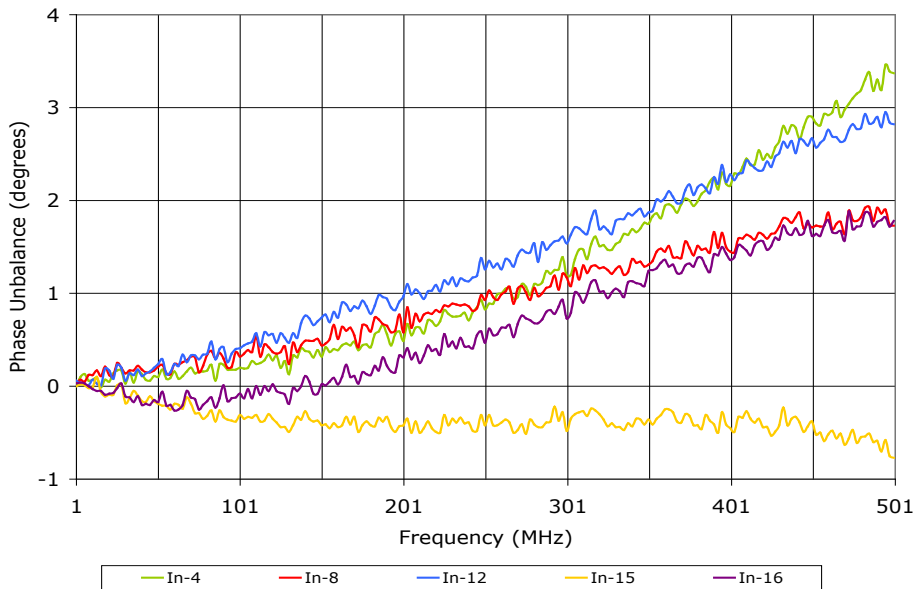
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