

6-WAY POWER DIVIDER

SURFACE MOUNT MODEL: DFS-905

FREQUENCY

1 - 500 MHz

FEATURES:

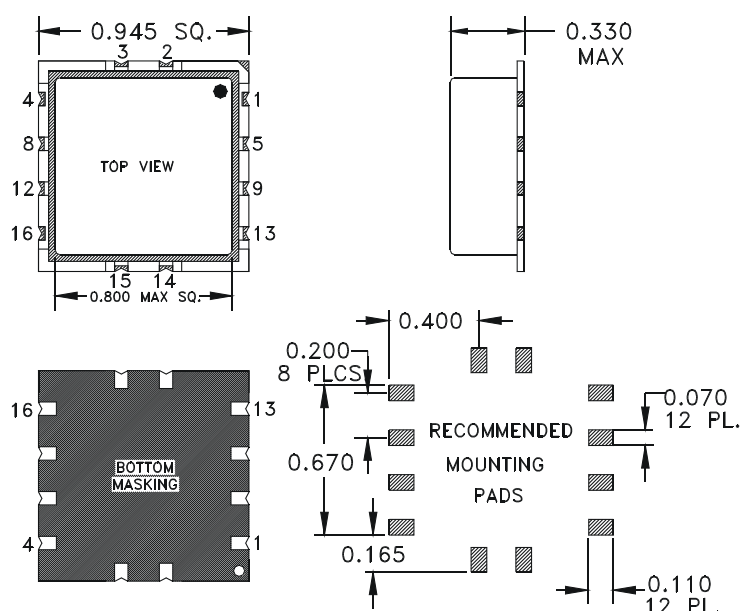
- ▶ Wide Bandwidth
- ▶ Low Loss
- ▶ Closely Controlled Phase/Amplitude Unbalance



SPECIFICATIONS (Rev. B 01/16/07)

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 (Deg.)	Freq. (MHz)		Max.
	1 - 10		2°
	10 - 250		4°
	250 - 500		8°
Amplitude Unbalance (dB)	Freq. (MHz)		Max.
	1 - 10		0.2
	10 - 250		0.4
	250 - 500		0.6
VSWR	1.2:1 (Typ.)		
Output Impedance	50 Ohms (Nom.)		
Input Power	1 Watt (Max.)		
Operating Temperature Range	-40 to +85° C		
* In excess of the 7.78 dB theoretical split loss.			

Package # 124SL



PORT DESIGNATION

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

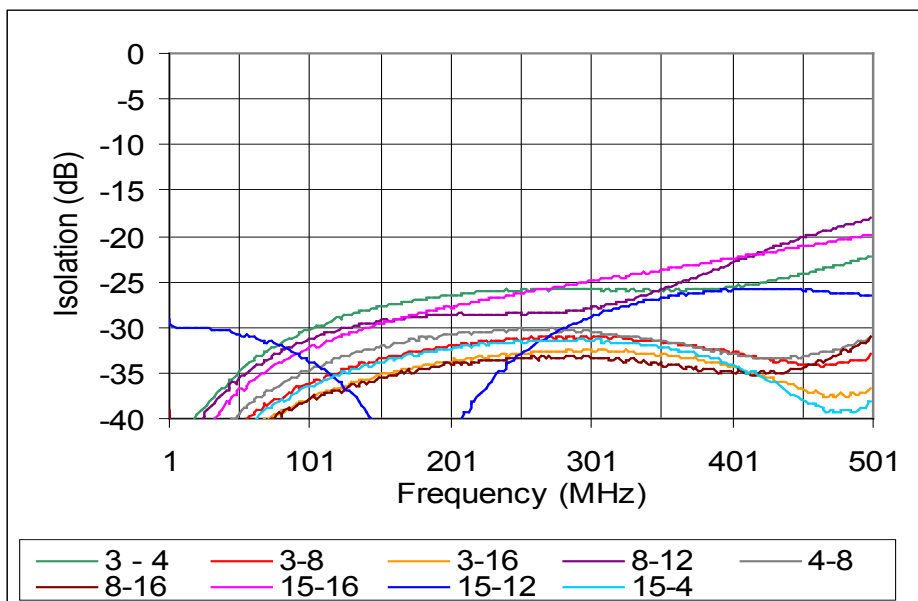
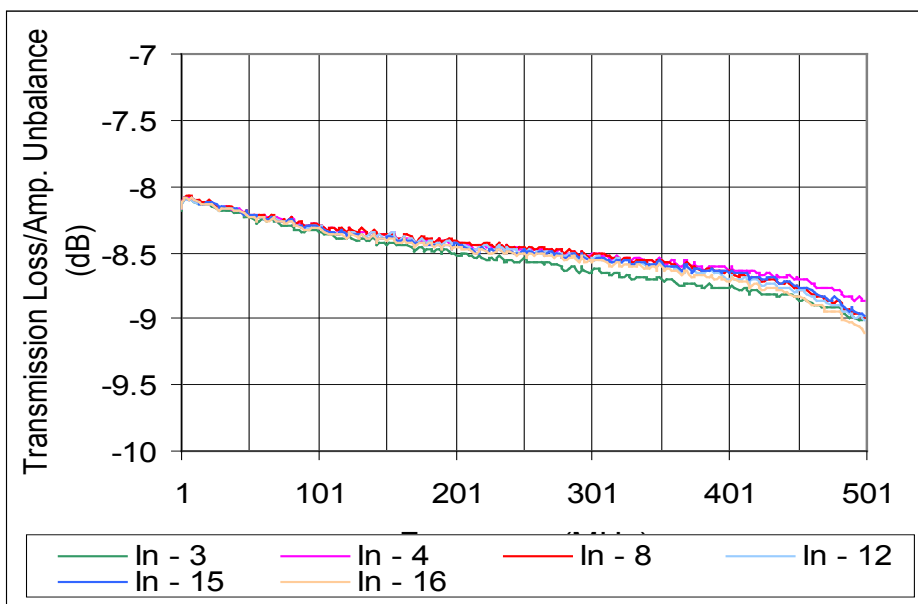
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Data @ 25°C



PERFORMANCE PLOTS

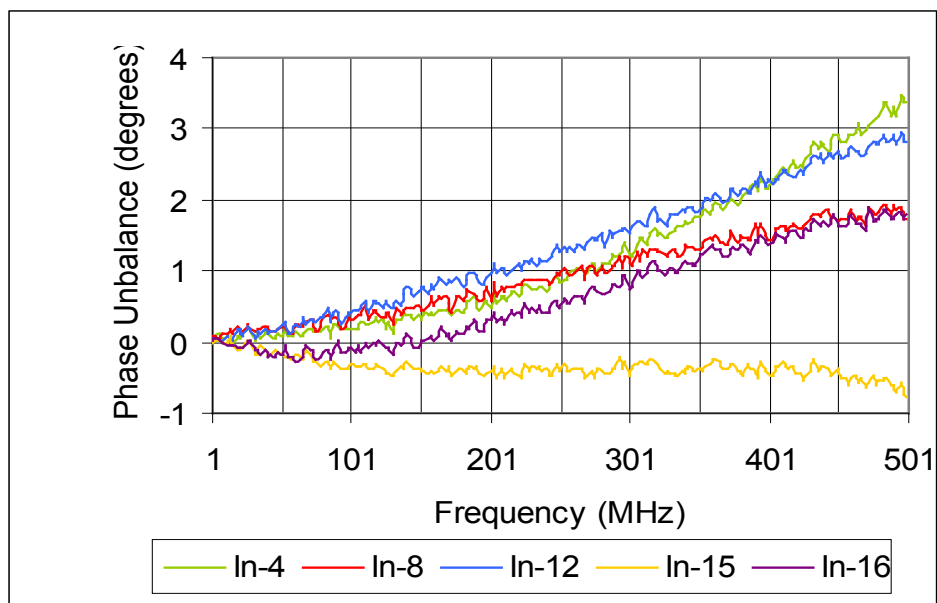
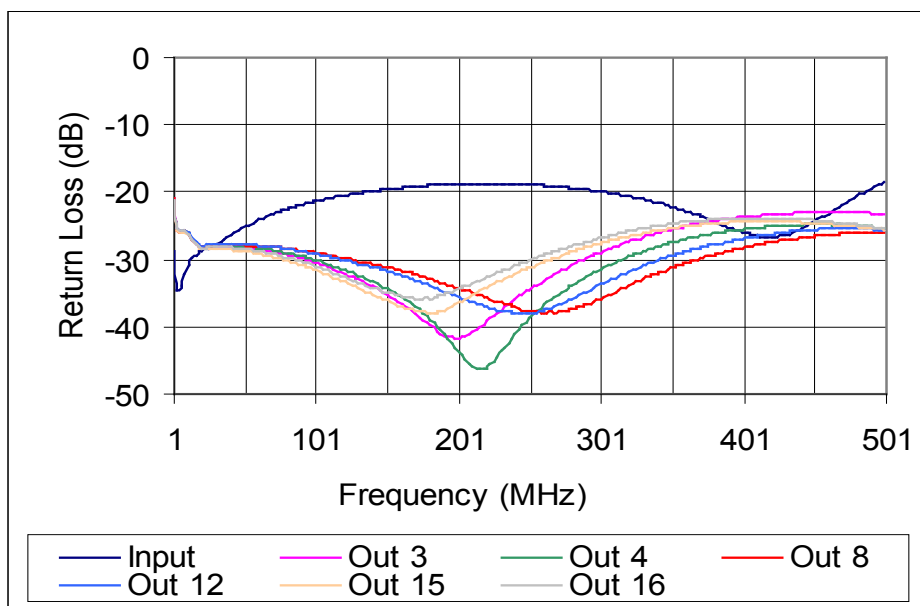
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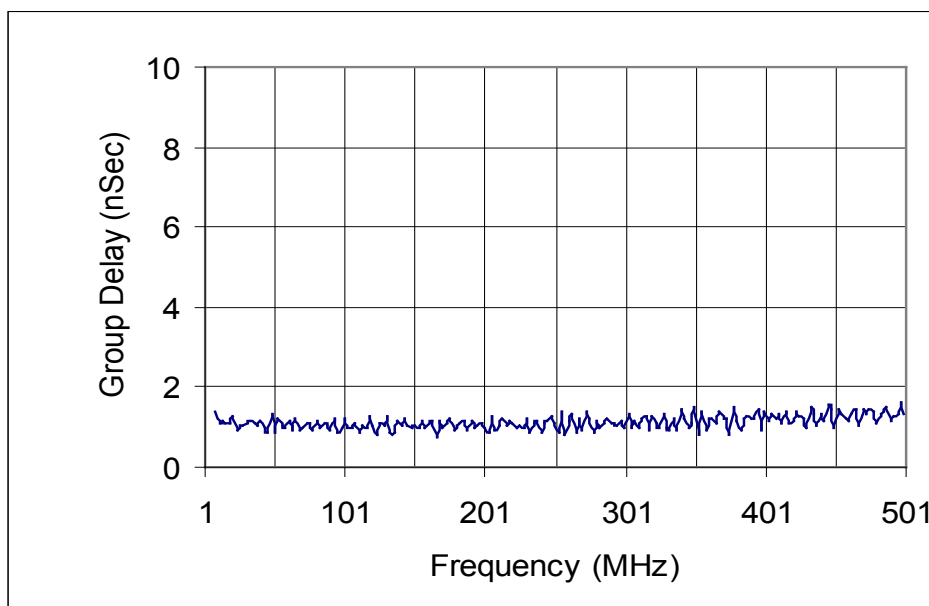
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