

4-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-5-1000

WIDE BANDWIDTH

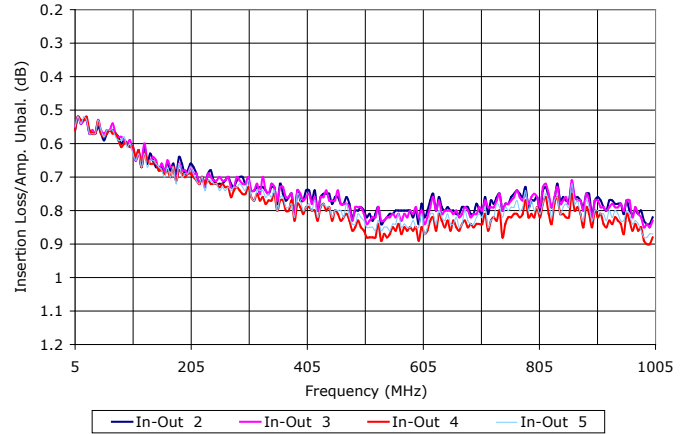
5 - 1000 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Small Size, Surface Mount
- ▶ Moderate Power
- ▶ Lead Free RoHS Compliant

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS (Rev. B 09/30/11)

Frequency	5 - 1000 MHz		
Insertion Loss (dB) ¹	Freq. (MHz)	Typ.	Max.
	5 - 50	0.7	1.0
	50 - 500	0.7	1.0
	500 - 1000	0.8	1.1
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	5 - 50	30	25
	50 - 500	23	20
	500 - 1000	23	18
Phase Unbalance (Deg.)	Typ.	Max.	
	1.0	4.0	
Amplitude Unbalance (dB)	Typ.	Max.	
	0.2	0.5	
VSWR	1.25:1 (Typ.)		
Input Power ²	1 Watt (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

¹ Insertion loss is above the theoretical 6.0 dB splitting loss.

² Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

Package # 219

PIN OUTS
 PIN 1 : INPUT
 PIN 2,3,4&5 : OUTPUTS
 ALL OTHER PINS GND

HATCHED AREA IS MASKING
 BOTTOM MASKING

RECOMMENDED PCB LAYOUT

PACKAGE MOUNTING SEE APPLICATION NOTE AN7301

Port Configuration		
Input	Output	GND.
1	2,3,4,5	All Others

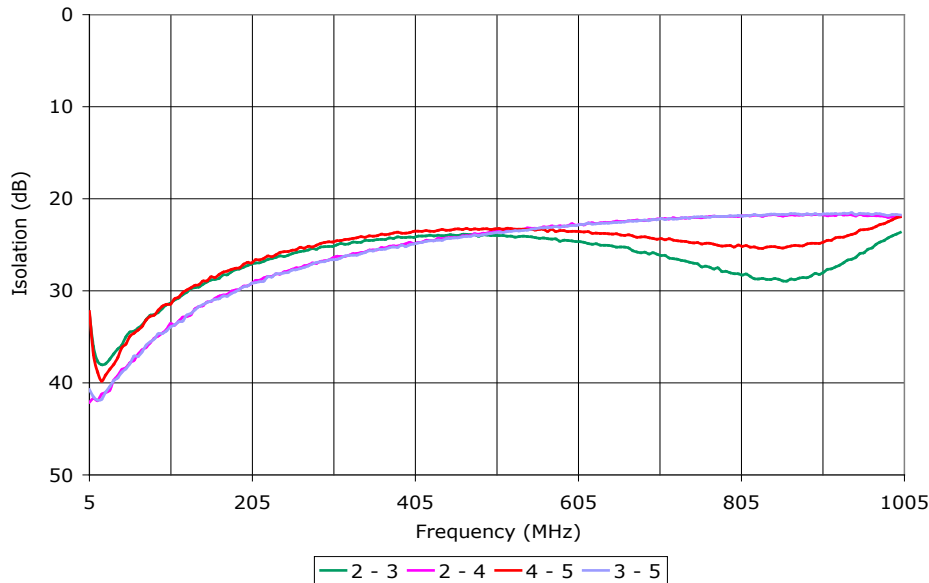
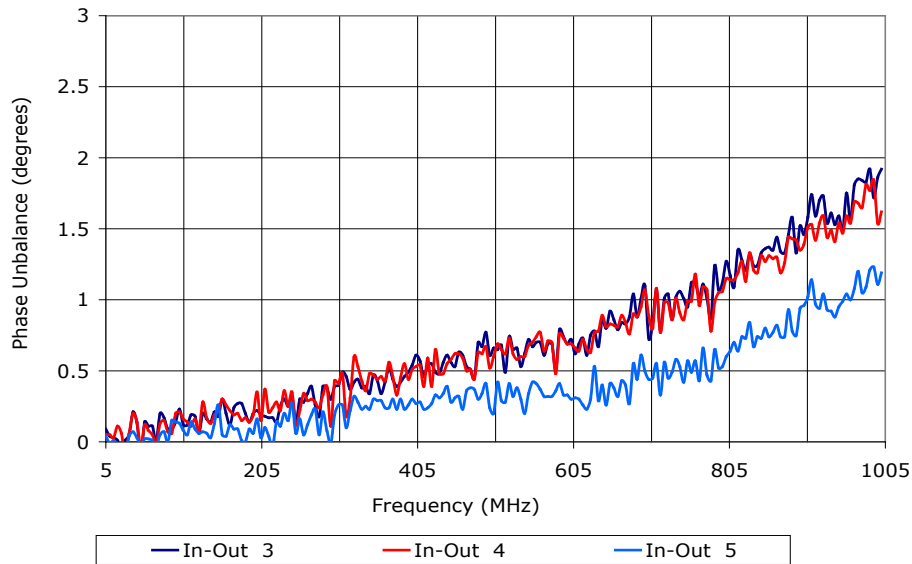
4-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-5-1000

WIDE BANDWIDTH

5 - 1000 MHz

Data @ 25 °C



PERFORMANCE PLOTS

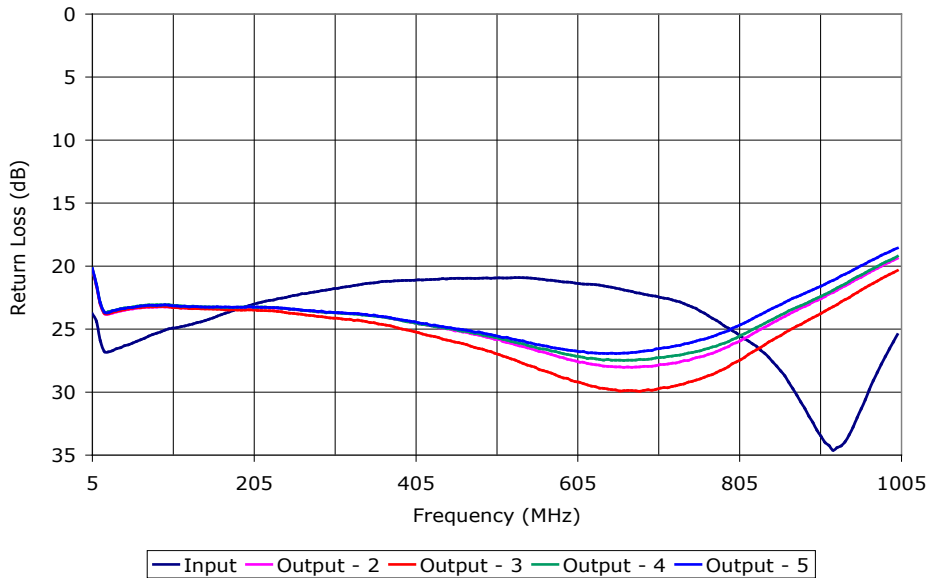
4-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-5-1000

WIDE BANDWIDTH

5 - 1000 MHz

Data @ 25 °C



PERFORMANCE PLOTS