

# 4-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SPD-5-1500

**WIDE BANDWIDTH**

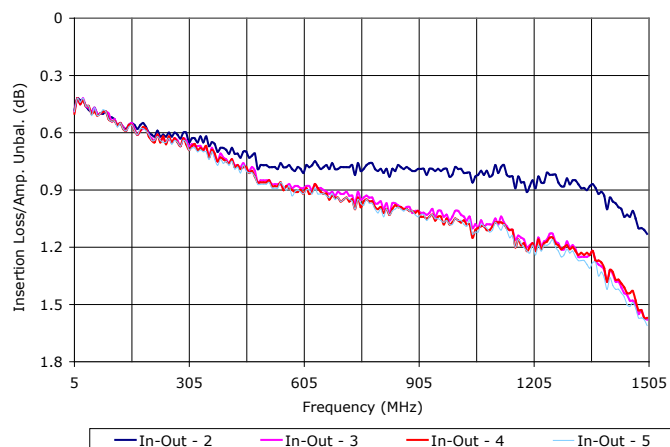
**5 - 1500 MHz**

### FEATURES:

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

### APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



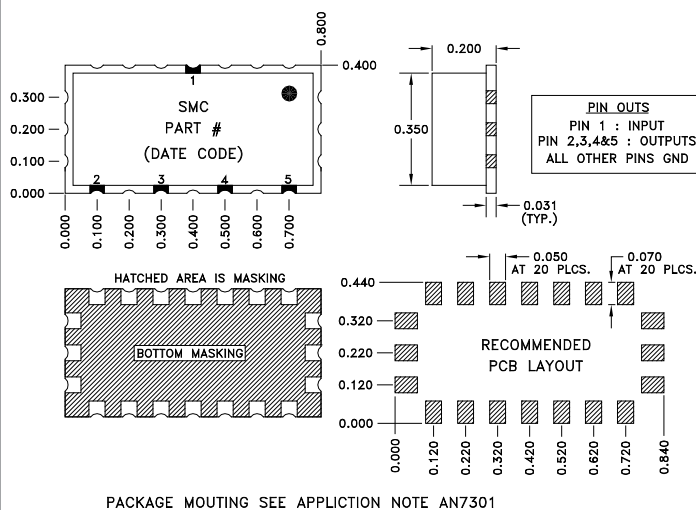
### SPECIFICATIONS (Rev. A 09/30/11)

|                                  |                |      |      |
|----------------------------------|----------------|------|------|
| Frequency                        | 5 - 1500 MHz   |      |      |
| Insertion Loss (dB) <sup>1</sup> | Freq. (MHz)    | Typ. | Max. |
|                                  | 5 - 50         | 0.5  | 0.7  |
|                                  | 50 - 750       | 1.0  | 1.3  |
|                                  | 750 - 1500     | 1.5  | 2.0  |
| Isolation (dB)                   | Freq. (MHz)    | Typ. | Min. |
|                                  | 5 - 50         | 27   | 23   |
|                                  | 50 - 750       | 23   | 20   |
|                                  | 750 - 1500     | 20   | 17   |
| Phase Unbalance (Deg.)           | Typ.           | Max. |      |
|                                  | 5.0            | 7.0  |      |
| Amplitude Unbalance (dB)         | Typ.           | Max. |      |
|                                  | 0.35           | 0.7  |      |
| VSWR                             | 1.3:1 (Typ.)   |      |      |
| Input Power <sup>2</sup>         | 1 Watt (Max.)  |      |      |
| Impedance                        | 50 Ohms (Nom.) |      |      |
| Operating Temperature Range      | -40 to +85 °C  |      |      |

<sup>1</sup> Insertion loss is above the theoretical 6.0 dB splitting loss.

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

Package # 219



### Port Configuration

| Input | Output  | GND.       |
|-------|---------|------------|
| 1     | 2,3,4,5 | All Others |

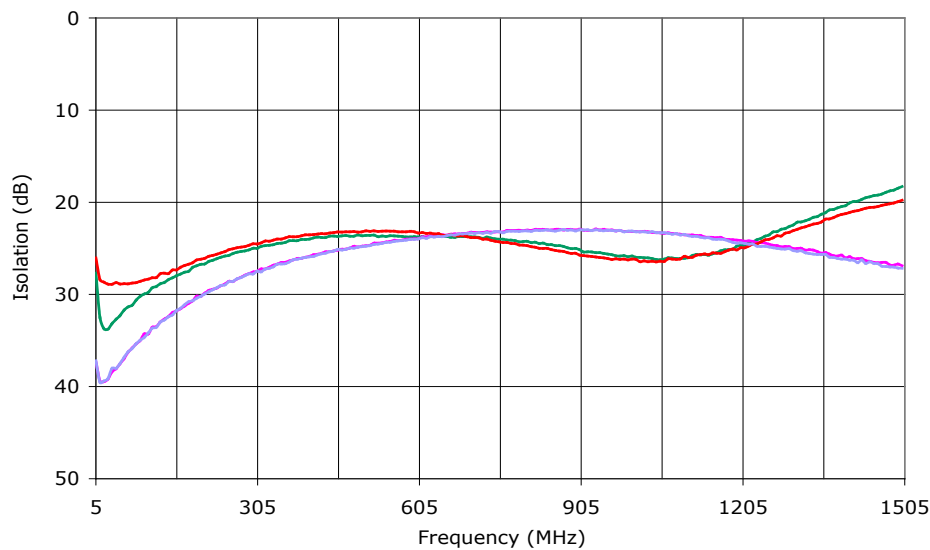
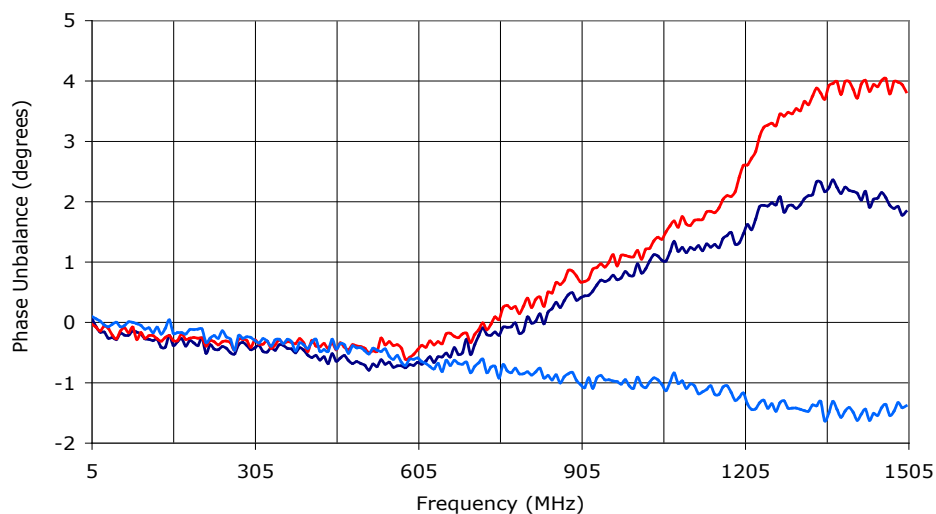
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Data @ 25 °C



PERFORMANCE PLOTS

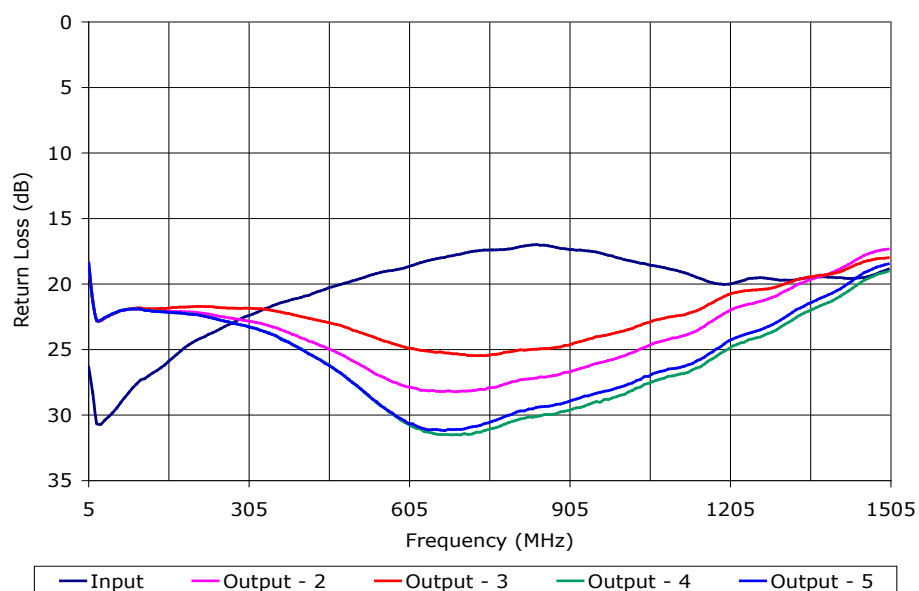
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