

3-WAY POWER DIVIDER

CONNECTORIZED MODEL: DCK-3-7S

WIDE BANDWIDTH

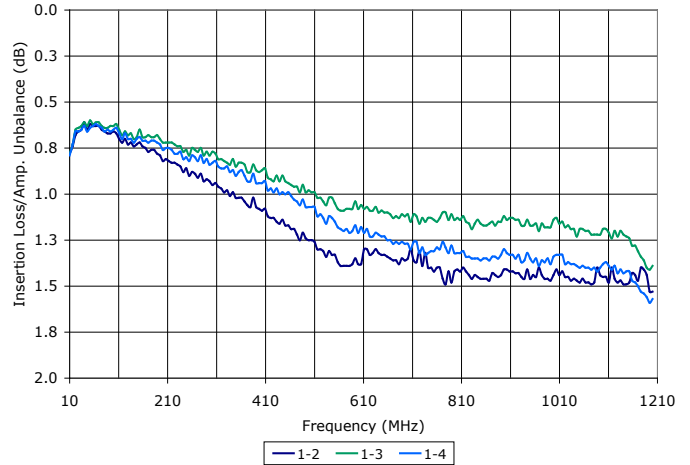
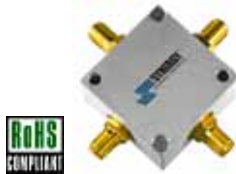
20 - 1200 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Wide Bandwidth
- ▶ Moderate Power

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS (Rev. B 12/17/10)

| | | |
|---|----------------|-------|
| Frequency | 20 - 1200 MHz | |
| Insertion Loss (dB) * | Typ. | Max. |
| | 1.5 | 1.8 |
| Isolation (dB) | Typ. | Min. |
| | 23 | 15 |
| Phase Unbalance | Typ. | Max. |
| | 3.0° | 6.0° |
| Amplitude Unbalance (dB) | Typ. | Max. |
| | 0.25 | 0.50 |
| Input Power ** | 1 Watt (Max.) | |
| VSWR | Typ. | Max. |
| | 1.4:1 | 1.6:1 |
| Impedance | 50 Ohms (Nom.) | |
| Operating Temperature Range | -40 to +85 °C | |
| * Above 4.8 dB theoretical split loss. | | |
| ** Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports. | | |

Package # 113LF

All Dimensions in inches (mm)
Tolerances: 2 PL.±0.030 inch. (0.762mm)
3 PL.±0.015 inch. (0.381mm)

| | |
|---|----------------------------|
| A | - 1.250 inch. (31.75 mm) |
| B | - 1.250 inch. (31.75 mm) |
| C | - 0.750 inch. (19.05 mm) |
| D | - 0.375 inch. (9.525 mm) |
| E | - 1.000 inch. (25.4 mm) |
| F | - 1.000 inch. (25.4 mm) |
| G | - ∅0.136 inch. (3.45 mm) |
| H | - 0.625 inch. (15.875 mm) |
| I | - 0.625 inch. (15.875 mm) |

| PORT CONFIGURATION | |
|--------------------|--------|
| Input | Output |
| 1 | 2,3,4 |

Note:
For other connector styles, replace part number suffix "S" with, "B" for BNC or "N" for type N connector type. All connectors are female unless noted otherwise.

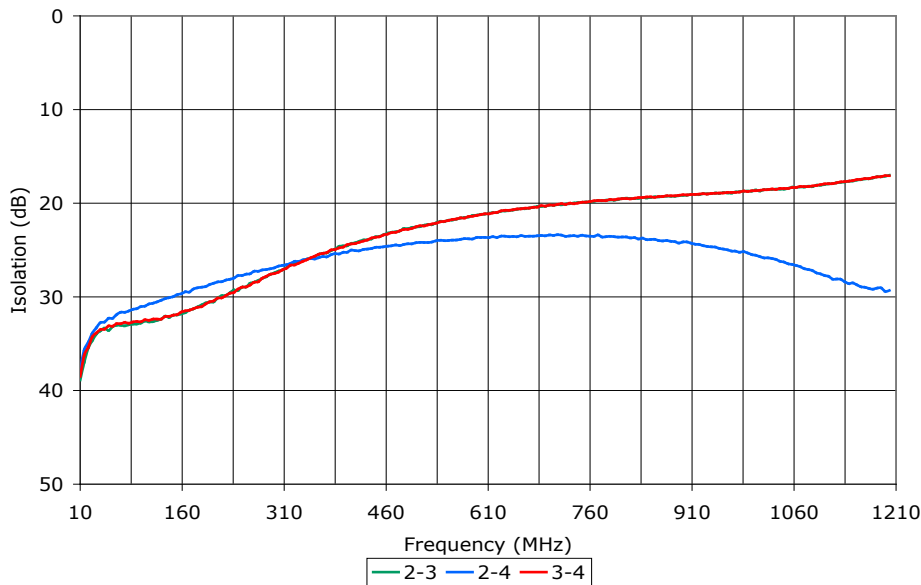
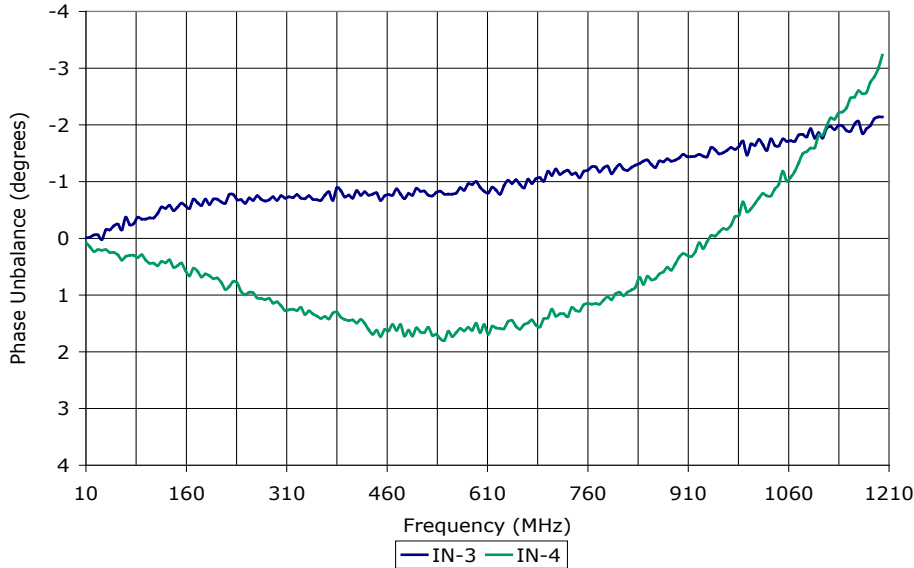
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DATA @ 25°C



PERFORMANCE PLOTS

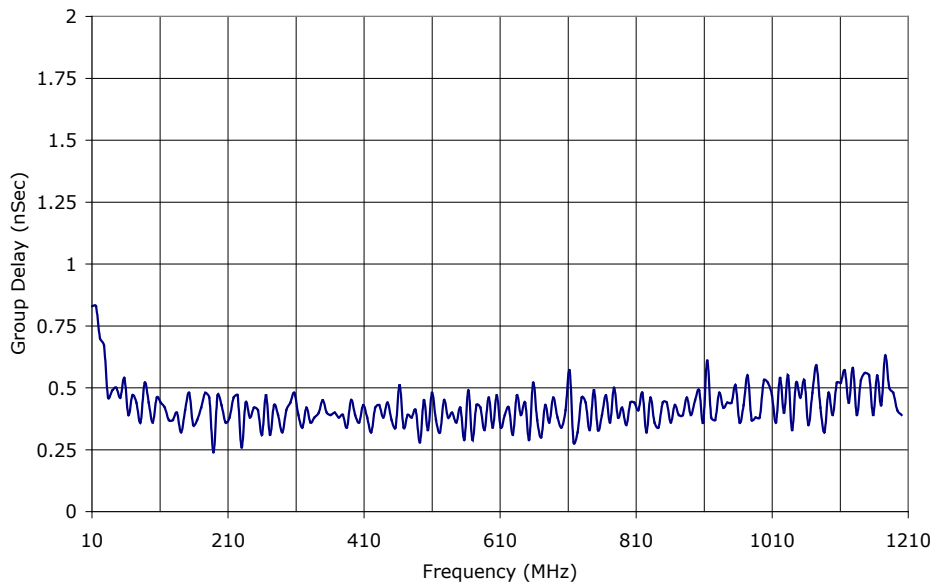
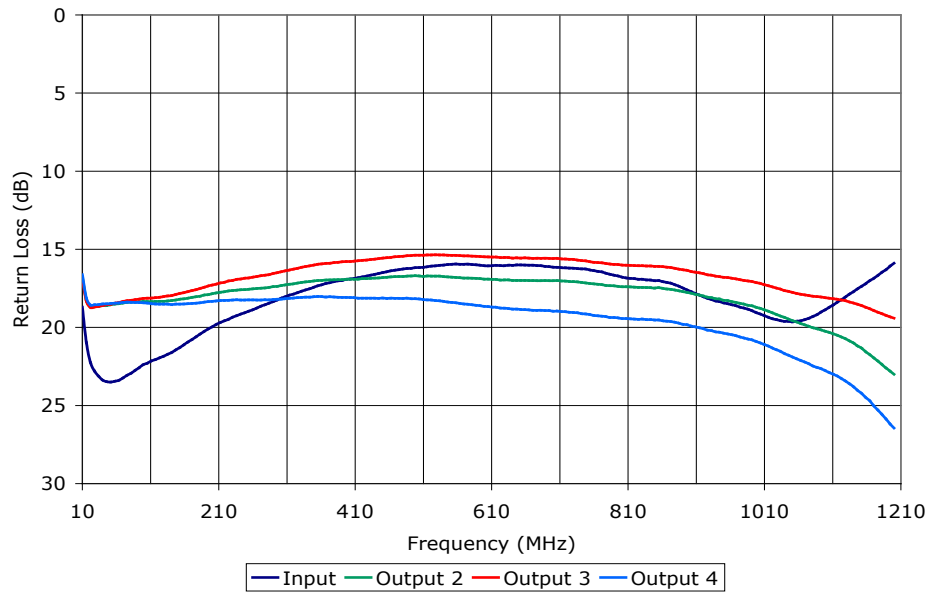
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