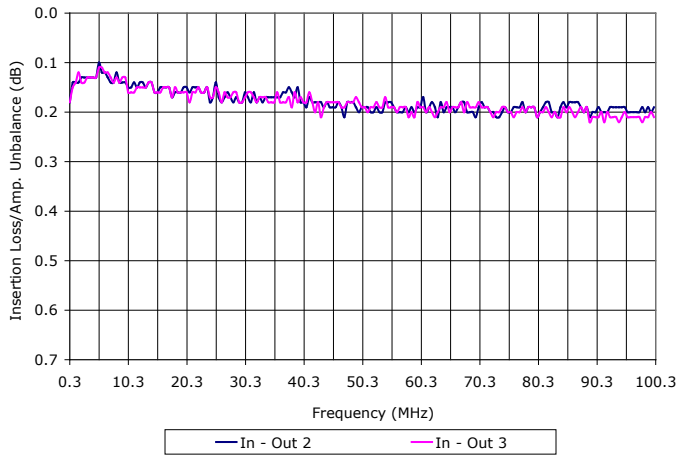
# 2-WAY POWER DIVIDER
# CONNECTORIZED MODEL: DSK-721S

## WIDE BANDWIDTH 0.3 - 100 MHz

***FEATURES:***
- Excellent Performance
- Moderate Power

***APPLICATIONS:***
- Signal Splitting & Low Power Combining




## SPECIFICATIONS (Rev. B 05/06/14)

| | |
|---|---|
| **Frequency** | 0.3 - 100 MHz |

**Insertion Loss (dB)[1]**

| Freq. (MHz) | Typ. | Max. |
|---|---|---|
| 0.3 - 5 | 0.18 | 0.4 |
| 5 - 50 | 0.17 | 0.4 |
| 50 - 100 | 0.21 | 0.4 |

**Isolation (dB)**

| Freq. (MHz) | Typ. | Min. |
|---|---|---|
| 0.3 - 5 | 30 | 23 |
| 5 - 50 | 45 | 38 |
| 50 - 100 | 40 | 36 |

**Phase Unbalance (Deg.)**

| Freq. (MHz) | Typ. | Max. |
|---|---|---|
| 0.3 - 5 | 0.1 | 1.0 |
| 5 - 50 | 0.1 | 1.0 |
| 50 - 100 | 0.2 | 1.0 |

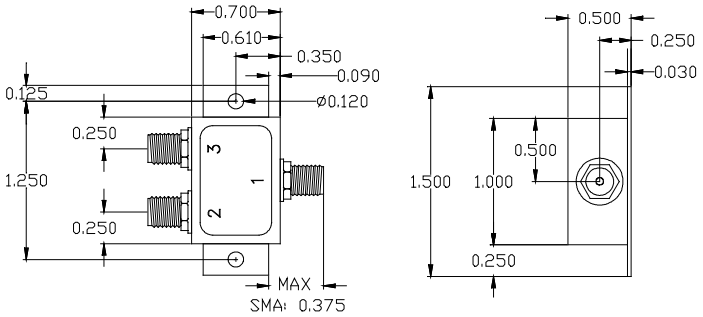
**Amplitude Unbalance (dB)**

| Freq. (MHz) | Typ. | Max. |
|---|---|---|
| 0.3 - 5 | 0.01 | 0.15 |
| 5 - 50 | 0.01 | 0.15 |
| 50 - 100 | 0.01 | 0.15 |

| | |
|---|---|
| **VSWR** | 1.18:1 |
| **Input Power [2]** | 1 Watt (Max.) |
| **Operating Temperature Range** | -55 to +85 °C |

*[1] Insertion loss is above the theoretical 3.0 dB splitting loss.*
*[2] Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.*

| | |
|---|---|
| **Package #** | 144 |




| Port Configuration | | |
|---|---|---|
| **Input** | **Output** | **Ground** |
| 1 | 2,3 | All Other |

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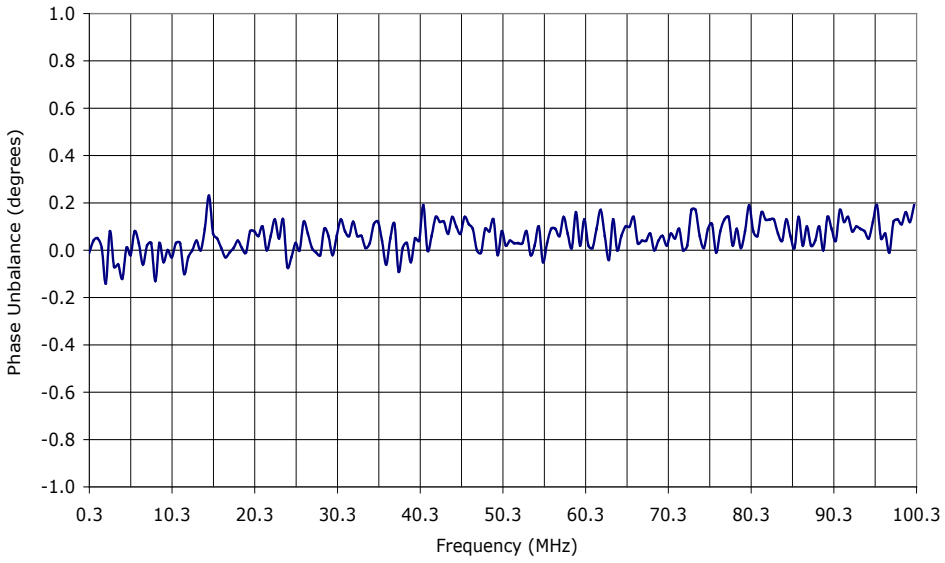
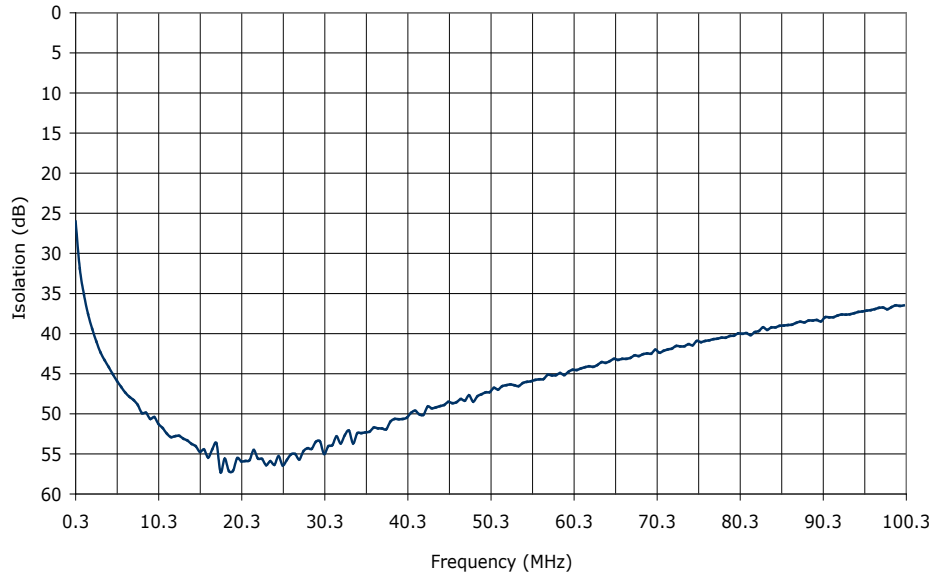
PERFORMANCE PLOTS

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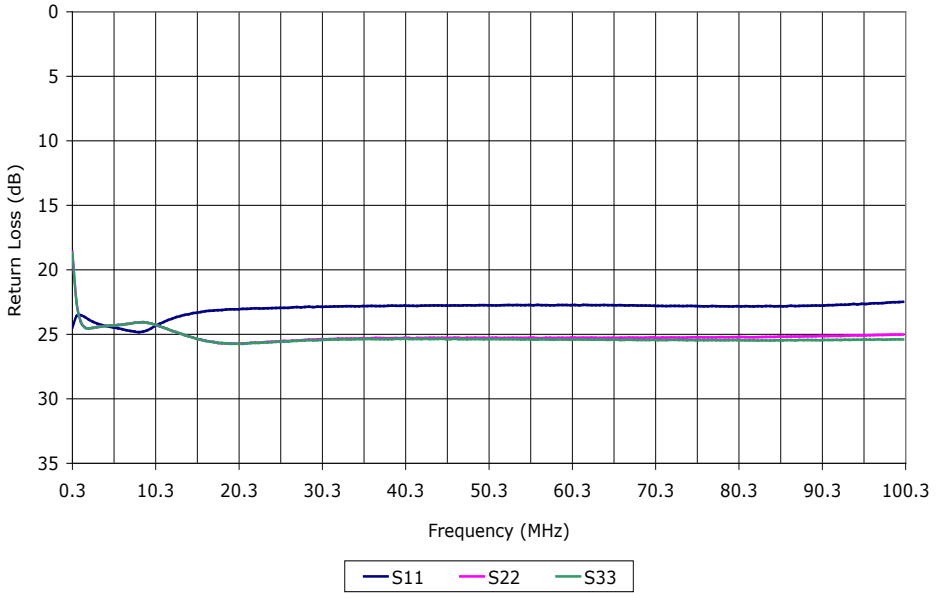


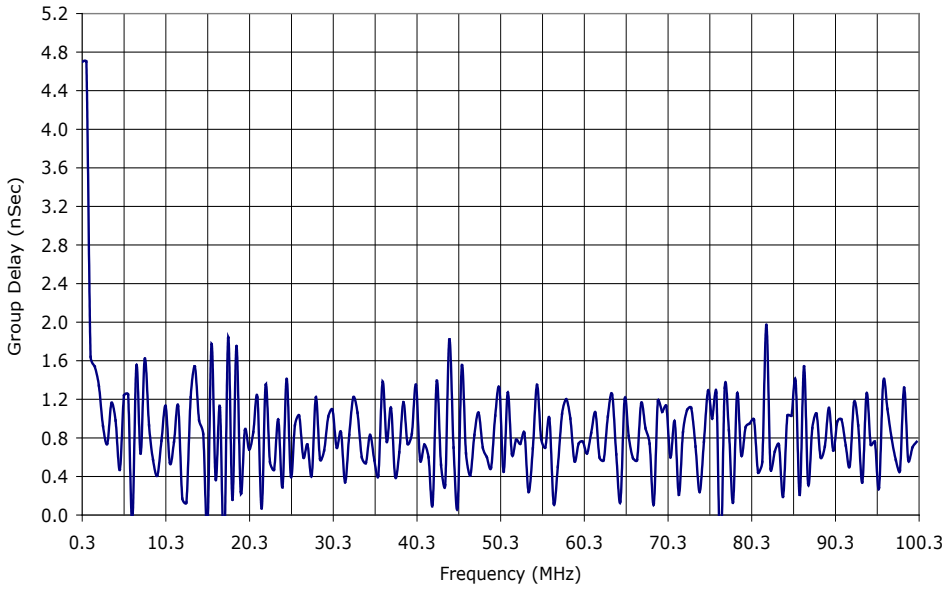


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