

# 5-WAY POWER DIVIDER

## MODEL: DEK-701S

FREQUENCY

0.05 - 30 MHz

### FEATURES:

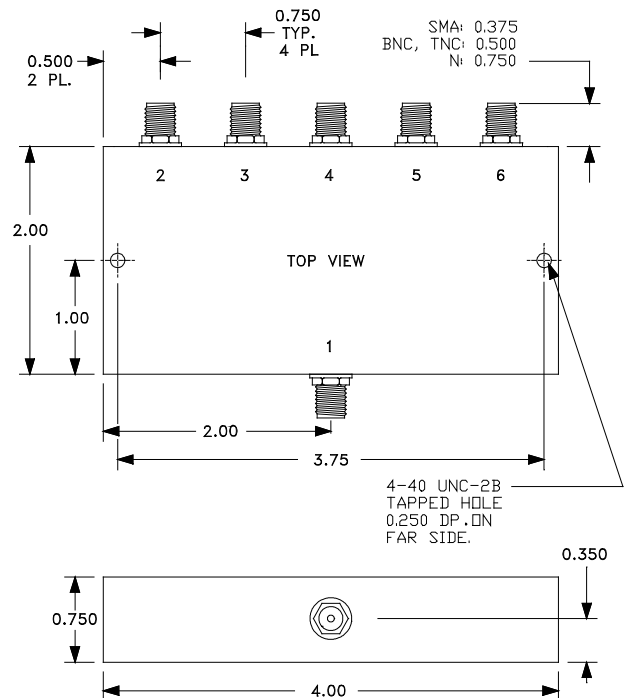
- Wide Bandwidth
- Low Loss
- Closely Controlled Phase/Amplitude Unbalance



### SPECIFICATIONS (Rev. B 08/30/06)

|                                                 |                |      |      |
|-------------------------------------------------|----------------|------|------|
| Frequency                                       | 0.05 - 30 MHz  |      |      |
| Insertion Loss (dB) *                           | Freq.<br>(MHz) | Typ. | Max. |
|                                                 | 0.05 - 0.5     | 0.5  | 0.9  |
|                                                 | 0.5 - 15       | 0.3  | 0.7  |
|                                                 | 15 - 30        | 0.6  | 1    |
| Isolation (dB)                                  | Freq.<br>(MHz) | Typ. | Min. |
|                                                 | 0.05 - 0.5     | 25   | 20   |
|                                                 | 0.5 - 15       | 30   | 25   |
|                                                 | 15 - 30        | 25   | 20   |
| Phase Unbalance (Deg.)                          | 4° (Max.)      |      |      |
| Amplitude Unbalance (dB)                        | 0.3 (Max.)     |      |      |
| Output Impedance                                | 50 Ohms (Nom.) |      |      |
| Input Power                                     | 1 Watt (Max.)  |      |      |
| Operating Temperature Range                     | -40 to +85° C  |      |      |
| * In excess of the 7 dB theoretical split loss. |                |      |      |

Package # 157



| Connector Type | PORT DESIGNATION |            |
|----------------|------------------|------------|
|                | Input            | Output     |
| SMA Female     | 1                | All Others |

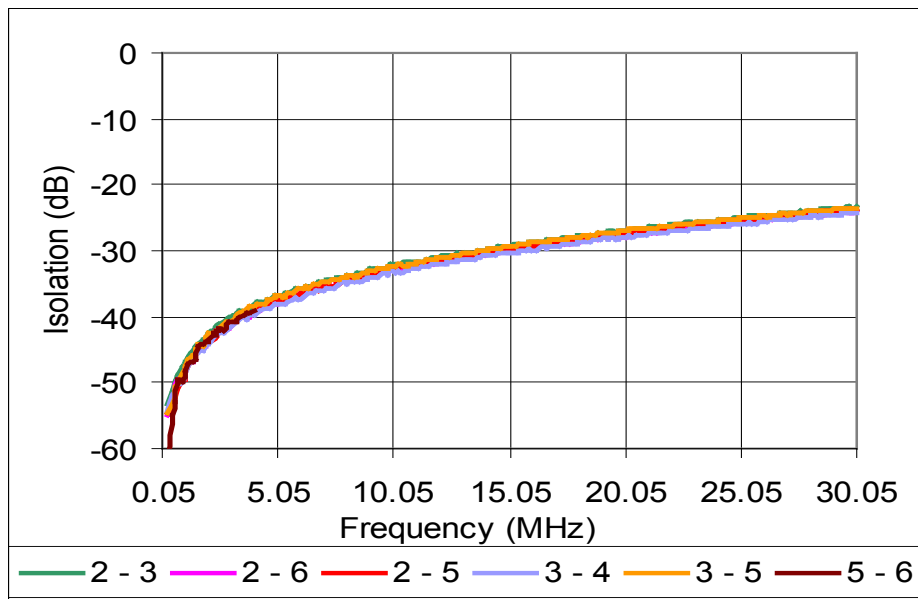
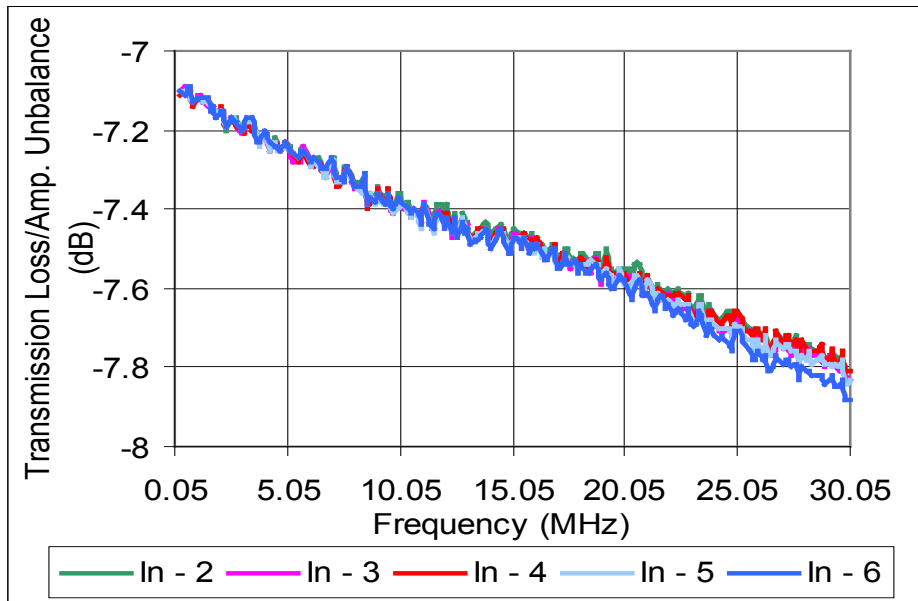
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Data @ 25°C



PERFORMANCE PLOTS

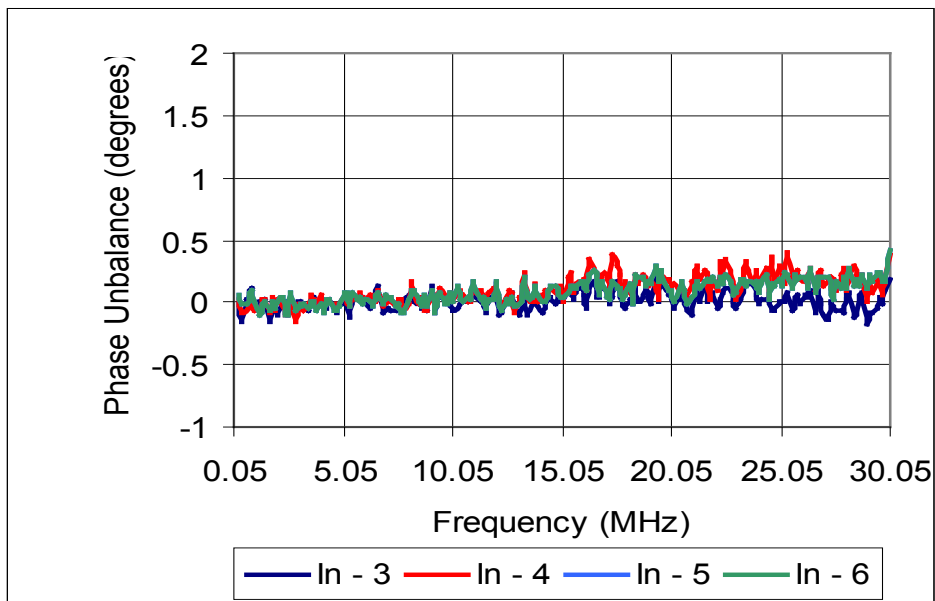
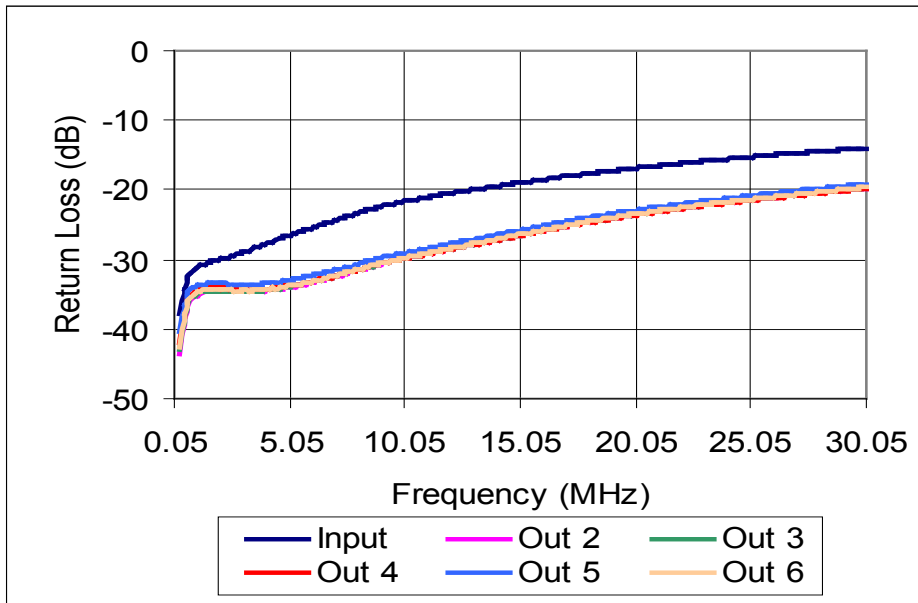
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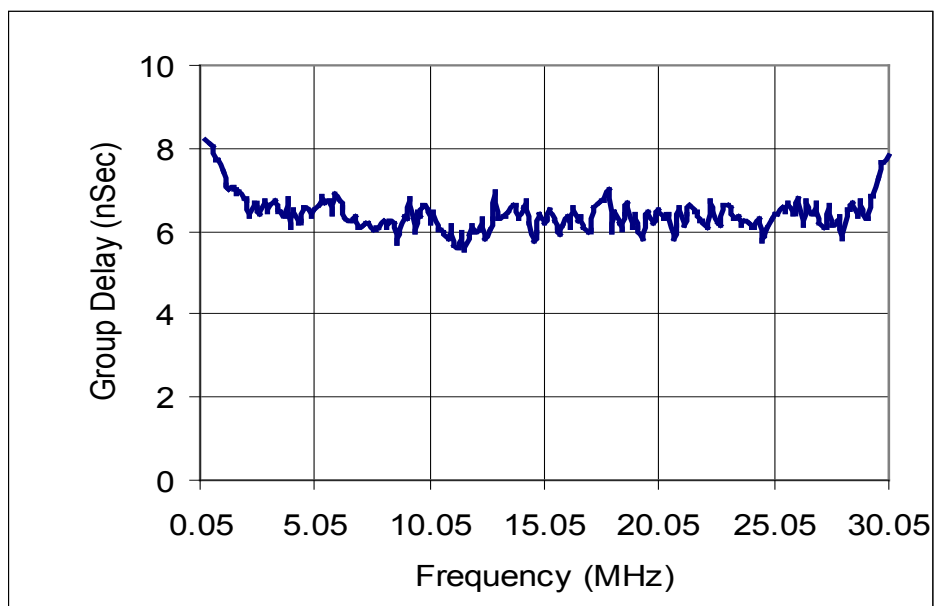
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