PRODUCT DATASHEET

# CDS4x4-43-694/3800

4 x 4 Hybrid Coupler

The CDS4x4-43-694/3800 hybrid coupler which equally combines four wireless signals and transfers the combined signal to four output ports. The product is designed for wireless services and applications in the frequency band from 694-3800MHz including 2G/3G/4G. The broad frequency range and outstanding PIM rating is ideally suited for multi-band distributed antenna systems or in combination with RADIAFLEX® radiating cables.




FEATURES / BENEFITS

- 4.3-10-female interfaces
- PIM optimized design (160dBc @2x43dBm)
- Ideal for all kind of DAS applications
- Low insertion loss
- High power handling

## Technical features

### GENERAL SPECIFICATIONS

| | | |
|---|---|---|
| **Product Type** | | Directional Hybrid Coupler |
| **Techn. Application** | | Indoor |
| **Number of Input Ports** | | 4 |
| **Number of Output Ports** | | 4 |
| **Connector Type** | | 4.3-10 female |

### ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Range** | MHz | 694 - 3800 |
| **Impedance** | Ohm | 50 |
| **VSWR / Return Loss** | VSWR/dB | 1.30/17.7 @ - GHz |
| **Intermodulation (IM3)** | | -160 dBc (2x43dBm) |
| **Isolation min** | dB | 25 @694 - 2700<br>22 @2700 - 3800 |
| **Coupling Value** | dB | 6 ±1.2 @694 - 3800 MHz |
| **Input Power comment** | | 300W per port |

### TEMPERATURE SPECIFICATIONS

| | | |
|---|---|---|
| **Temperature Range** | °C (°F) | -25 to 65 (-13 to 149) |

### MECHANICAL SPECIFICATIONS

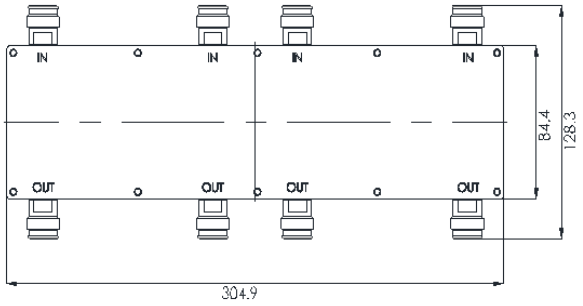
| | | |
|---|---|---|
| **Height** | mm (in) | 41 (1.61) |
| **Width** | mm (in) | 128.3 (5.05) |
| **Length** | mm (in) | 304.9 (12) |

### TESTING AND ENVIRONMENTAL

| | | |
|---|---|---|
| **Environmental Class** | | IP65 |



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering




External Document Links

Notes



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