

PRODUCT DATASHEET CDS2x2-43-694/3800 3dB Hybrid Coupler

The CDS2x2-43-694/3800 hybrid coupler is four-port directional coupler which equally combines two wireless signals and transfers the combined signal to two 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

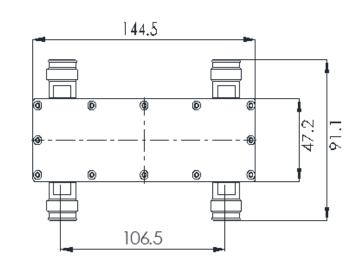
- 4.3-10-female interfaces
- PIM optimized design (160dBc @ 2x43dBm)
- Ideal for all kind of DAS applications
- Low insertion loss
- High power handling

## **Technical features**



Product TypeImage: Comparison of			
Number of Input Ports1Number of Output Ports1Connector Type1ELECTRICAL SPECIFICATIONSFrequency RangeMHzOhm50VSWR / Return LossVSWR/dBIntermodulation (IM3)1Isolation mindBCoupling ValuedBInput Power commentdBInput Power comment300W per port			
Number of Output PortsImage: Connector TypeImage: Connector Ty			
Connector TypeImplementELECTRICAL SPECIFICATIONSFrequency RangeMHzMHz694 - 3800ImpedanceOhmVSWR / Return LossVSWR/dBVSWR/Return LossVSWR/dBIntermodulation (IM3)ImplementIsolation mindBCoupling ValuedBInput Power commentImplement			
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VSWR / Return Loss VSWR/dB 1.30/17.7 @2700 - 3800 GHz   Intermodulation (IM3) Coupling Malue AB 25 @694 - 2700 22 @2700 - 3800   Coupling Value AB 3.1 ±0.5 @694 - 3800 MHz   Input Power comment Coupling Value AB 3.0000 per port			
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Isolation min dB 22 @2700 - 3800   Coupling Value dB 3.1 ±0.5 @694 - 3800 MHz   Input Power comment Coupling Value Coupling Value			
Input Power comment 300W per port			
TEMPERATURE SPECIFICATIONS			
Temperature Range °C (°F) -25 to 65 (-13 to 149)			
MECHANICAL SPECIFICATIONS			
Height mm (in) 37.5 (1.48)			
Width mm (in) 91.1 (3.59)			
Length mm (in) 144.5 (5.69)			
TESTING AND ENVIRONMENTAL			
Environmental Class IP65			





CDS2x2-43\_694-3800\_Drawing

**External Document Links** 

Notes

