



**CDS3-43-694/3800**

3dB Directional Coupler



RFS CDS\*-43 series Directional Couplers have been designed for a variety of wireless applications in the frequency band from 694 to 3800MHz. The unit couples off a defined fraction of a RF signal from 5 to 30 dB with minimal reflections or loss. The broad frequency range 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)
- Low insertion loss
- High power handling
- Small size, low weight

**Technical Features**

**STRUCTURE**

Product Type	Directional Coupler
Number of Input Ports	1
Number of Output Ports	2
Connector Type	4.3-10 female

**ELECTRICAL SPECIFICATIONS**

lower frequency	upper frequency
694	3800
Impedance	50 Ω
Insertion Loss max.	3.8 dB
Max. VSWR / Return Loss	1.3 (17.7)
Intermodulation (IM3)	-155dBc (2x43dBm)
Coupling Value	3 dB
Total Input Power	300 W

**TEMPERATURE SPECIFICATIONS**

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

Height	29mm (1.14in)
Width	48mm (1.89in)
Length	131mm (5.15in)
Weight	

**TESTING AND ENVIRONMENTAL**

Environmental Class	IP65
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External Document Links

Notes