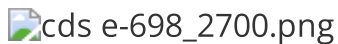


**CDS8E-694/3800**

8dB Directional Coupler

cds e-698_2700.png

RFS CDS**E series Directional Coupler has been designed for indoor applications covering 694 to 3800MHz. Units couple off a defined fraction of signal from 6 to 30 dB with minimal reflections or loss. The frequency range allows use with antennas and leaky cable systems and in wireless base stations. With minimal solder joints, the dissipative loss has been minimized and reliability enhanced.

Features / Benefits

- **8 dB coupling value**
- **Low insertion loss**
- **High power handling**
- **Small size, Low weight**
- **N-female connectors**
- **Low PIM**

Technical Features**STRUCTURE**

Product Type	Directional Coupler
Number of Input Ports	1
Number of Output Ports	2
Connector Type	N female

ELECTRICAL SPECIFICATIONS

lower frequency	upper frequency
694	3800
Impedance	50 Ω
Insertion Loss max.	1.2 dB
Max. VSWR / Return Loss	1.3 (17.692)
Intermodulation (IM3)	-155 dBc with 2x43 dBm tones
Coupling Value	8 dB
Directivity min.	20
Total Input Power	200 W

TEMPERATURE SPECIFICATIONS

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

Height	
Width	
Length	

TESTING AND ENVIRONMENTAL

Environmental Class	IP65
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CDS8E-694/3800

8dB Directional Coupler

External Document Links

Notes