

10dB Directional Coupler

Product Description

RFS CDS*1 series Directional Coupler is a quarter wave, air-line design for indoor applications covering all wireless bands to 2700 MHz. Units couple off a defined fraction of signal from 5 to 40 dB with minimal reflections or loss. The wide frequency range allows use with multiband antennas and leaky cable systems and in wireless base stations. With minimal solder joints and an air dielectric, the dissipative loss has been minimized and reliability enhanced.



form as shown or similar

Features/Benefits

- 10 dB coupling value
- Low insertion Loss
- High power handling
- Small size, Low weight
- N-female connectors

Technical Specifications

Product Type	Directional Coupler
Application	Indoor
Frequency Range, MHz	700-2700
Number of Input Ports	1
Number of Output Ports	2
Connectors	N
Input Connector Type	N-female
Output Connector Type	N-female
Impedance, Ohm	50
Insertion Loss, dB	≤ 0.7
VSWR (50 Ohm)	≤ 1.3
Coupling Value, dB	10
Total Input Power, W	200
Max. RF Peak Power, kW	1
DC-Path	only through line
Temperature Range, °C (°F)	-30 to +70 (-22 to 158)
Height (Less Connectors), mm (in)	17.0 (0.66)
Width (Less Connectors), mm (in)	40.0 (1.57)
Length (Less Connectors), mm (in)	120 (4.72)
Mounts in 19" (483mm) EIA Rack	No
Weight, kg (lb)	0.21 (0.463)
Environmental Class	Indoor

Notes**Other Documentation**



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