

PRODUCT DATASHEET CDS6-43-694/3800 6dB Directional Coupler

RFS Technologies 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
Techn. Application	Indoor
Number of Input Ports	1
Number of Output Ports	2

ELECTRICAL SPECIFICATIONS

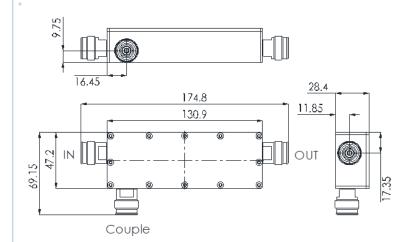
Frequency				1
Range	MHz	694 - 3	3800	
Connector Type		4.3- fem		
Max. VSWR / Return Loss	VSWR/dB	1.30/ (1.		
Insertion Loss max.	dB	1.1	7	
Coupling Value	dB	6		
Coupling Flatness max.	dB	±0.	.8	
Intermodulation (IM3)		-160 (2x43))
Impedance				i
Total Input Power				
TEMPERATURE SPE	CIFICATIO	NS		
Temperature Rang	je			
MECHANICAL SPEC	ANICAL SPECIFICATIONS			
Height			n	γ
Width			n	γ
Length			m	η
TESTING AND ENVI	RONMEN	TAL		

CDS6-43-694/3800

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www.rfstechnologies.com





External Document Links

Notes

Directivity: ≥ 20dB @ 694-2700MHz, ≥ 18dB @ 2700-3800MHz

REV : B