

RFS CDS*-43-617/3800-ECO series Directional Coupler have been designed for a variety of wireless applications in the frequency band from 617 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	Outdoor
Number of Input Ports	1
Number of Output Ports	2

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	617 -	3800
Connector Type			-10 nale
Max. VSWR / Return Loss	VSWR/dB		/17.7 .3)
Insertion Loss max.	dB	0	.3
Coupling Value	dB	3	0
Coupling Flatness max.	dB	±0.	004
Intermodulation (IM3))dBc (dBm)
Directivity min.	dB	2	0
mpedance			(
Total Input Power			
TEMPERATURE SPE	CIFICATIO	NS	
Temperature Ran			°C

CDS30-43-617/3800-ECO



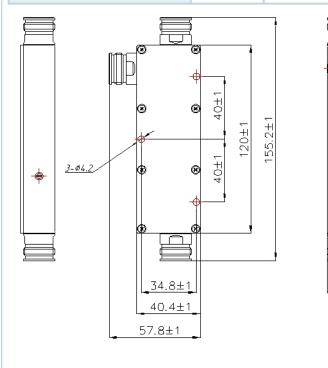
MECHANICAL SPECIFICATIONS

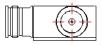
Height	mm (in)	22 (0.866)
Width	mm (in)	40.4 (1.591)
Length	mm (in)	120 (4.724)
Weight	kg (lb)	0.33 (0.728)

IP65

TESTING AND ENVIRONMENTAL

Environmental Class





External Document Links

Notes

REV : A