PRODUCT DATASHEET

CDS3E-380/2700

3dB Directional Hybrid Coupler

The CDS3*-380/2700 hybrid couplers are four-port directional couplers which equally combine two wireless signals and transfer the combined signal to two output ports. The products are designed for wireless services and applications in the frequency band from 380-2700MHz.



CDS3E-380/2700

FEATURES / BENEFITS

- Supports all TERA bands in the frequency range 380 - 2700 MHz
- 200 Watt Power Rating
- High Reliability
- N female connectors

Technical features

GENERAL SPECIFICATIONS

Product Type		Directional Hybrid Coupler
Techn. Application		Indoor
Number of Input Ports		2
Number of Output Ports		2
Connector Type		N female

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	380 - 2700
Impedance	Ohm	50
VSWR / Return Loss	VSWR/dB	1.25/19.1 @ - GHz
Intermodulation (IM3)		-150 dBc with 2x43 dBm tones
Isolation min	dB	23 @ -
Coupling Value	dB	3.1 ±0.8 @ - MHz
Total Input Power	W	200

TEMPERATURE SPECIFICATIONS

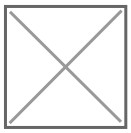
Temperature Range	°C (°F)	-25 to 65 (-13 to 149)

MECHANICAL SPECIFICATIONS

Height	mm (in)	44 (1.73)
Width	mm (in)	97 (3.82)
Length	mm (in)	216.05 (8.51)

TESTING AND ENVIRONMENTAL

Environmental Class		IP65



Dimensions in mm

External Document Links

Notes

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering