

4x4 Hybrid Coupler

This Combiner is designed to meet the special co-siting needs of the wireless market. They are most commonly used to combine up to four wireless carriers in the operating band to single or multiple antenna feeds or distribution cables. In situation where four similar feeds can be utilized, as required in many in-building applications, all four outputs may be used, eliminating the need for terminating unused ports and the 6dB hybrid loss. Port return loss and isolation has been optimized while passive intermodulation (PIM) is minimized. Input and output connectors have been separately grouped for con-controlled wrench tightening of connectors.



CDSDE4X4-698/2700

FEATURES / BENEFITS

- ➔ 100 Watt/Port Power Rating
- ➔ High Reliability
- ➔ N female connectors

Technical Features

GENERAL SPECIFICATIONS

Product Type		Directional Hybrid Coupler
Techn. Application		Indoor / Outdoor
Number of Input Ports		4
Number of Output Ports		4
Connector Type		N female

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	698 - 2700
Impedance	Ohm	50
VSWR / Return Loss	VSWR/dB	1.30/17.7
Intermodulation (IM3)		-150 dBc with 2x43 dBm tones
Isolation min	dB	23
Coupling Value	dB	7.2 ±0.1
Total Input Power	W	100

TEMPERATURE SPECIFICATIONS

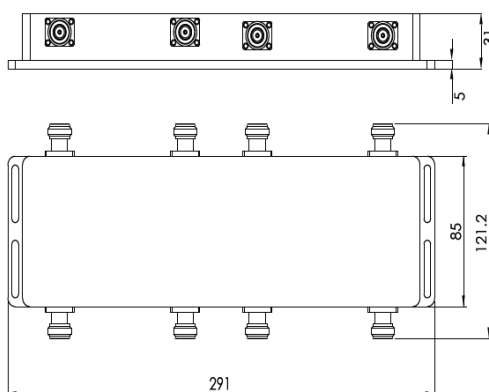
Temperature Range	°C (°F)	-25 to 65 (-13 to 149)
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MECHANICAL SPECIFICATIONS

Height	mm (in)	31 (1.22)
Width	mm (in)	121.2 (4.77)
Length	mm (in)	291 (11.46)
Weight	kg (lb)	1.63 (3.59)

TESTING AND ENVIRONMENTAL

Environmental Class		IP65
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Dimensions in mm



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External Document Links

Notes