

C-5-CPUSE-N-AI6

5 dB, Air Directional Coupler, 555–2700 MHz



OBSOLETE

This product was discontinued on: October 31, 2019

Replaced By:

C-5-UW-N-AI6

5 dB, Air Directional Coupler, 555–6000 MHz

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type

Directional coupler

General Specifications

Device Type

Coupler

Application

Indoor/Outdoor

Color

Silver

Inner Contact Plating

Silver

Interface

N Female

Outer Contact Plating

Trimetal

Dimensions

Height

22 mm | 0.866 in

Width

75 mm | 2.953 in

Length

155 mm | 6.102 in

Electrical Specifications

3rd Order IMD

-160 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

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Insertion Loss at Frequency Band	2.5 dB @ 555–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	200 W
Coupling	4.8 dB
Coupling Tolerance	±1.0dB @ 698–2700 MHz ±1.6dB @ 555–698 MHz
Impedance	50 ohm
Isolation at Frequency Band	25 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	30 W
VSWR	1.2

Mechanical Specifications

Coupling Nut Proof Torque	4.5 N-m 39.828 in lb
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Environmental Specifications

Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	40 mm 1.575 in
Width, packed	90 mm 3.543 in
Length, packed	180 mm 7.087 in
Weight, gross	0.42 kg 0.926 lb
Weight, net	0.38 kg 0.838 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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