

C-6-CPUSEW-N-AI6

6 dB, Low PIM Air Directional Coupler, 578–3800 MHz



OBSOLETE

This product was discontinued on: October 31, 2019

Replaced By:

C-6-UW-N-AI6 6 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 76 mm | 2.992 in

Length 165 mm | 6.496 in

Electrical Specifications

3rd Order IMD -160 dBc

3rd Order IMD Test Method Two +43 dBm carriers

C-6-CPUSEW-N-AI6

Insertion Loss at Frequency Band	1.8 dB @ 578–3800 MHz
Average Power, maximum	200 W
Coupling	6 dB
Coupling Tolerance	±1.0dB @ 2700–3800 MHz ±1.0dB @ 698–2700 MHz ±1.3dB @ 578–698 MHz
Impedance	50 ohm
Isolation at Frequency Band	24 dB @ 578–3800 MHz
Operating Frequency Band	578 – 3800 MHz
Peak Power, maximum	1.5 kW
Reflected Power, maximum	40 W
VSWR at Frequency Band	1.2:1 @ 578–2700 MHz 1.3:1 @ 2700–3800 MHz

Environmental Specifications

Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	45 mm 1.772 in
Width, packed	98 mm 3.858 in
Length, packed	180 mm 7.087 in
Weight, gross	0.45 kg 0.992 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
UK-ROHS	Compliant

