

C-20-CPUSEW-N-AI6

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



OBSOLETE

This product was discontinued on: **October 31, 2019**

Replaced By:

C-20-UW-N-AI6

20 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-20-CPUSEW-N-A16

Insertion Loss at Frequency Band	0.3 dB @ 578–3800 MHz
Average Power, maximum	200 W
Coupling	20 dB
Coupling Tolerance	±1.0dB @ 2700–3800 MHz ±1.0dB @ 698–2700 MHz ±1.8dB @ 578–698 MHz
Impedance	50 ohm
Isolation at Frequency Band	37 dB @ 3600–3800 MHz 38 dB @ 578–3600 MHz
Operating Frequency Band	578 – 3800 MHz
Peak Power, maximum	1.5 kW
Reflected Power, maximum	200 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
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

