

C-20-UW-N-A16



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

White

Inner Contact Plating

Silver

Interface

N Female

Outer Contact Plating

Trimetal

Dimensions

Height

22 mm | 0.866 in

Width

72 mm | 2.835 in

Length

159 mm | 6.26 in

Electrical Specifications

3rd Order IMD

-163 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

Insertion Loss at Frequency Band

0.3 dB @ 555–6000 MHz

Average Power, maximum

200 W

Coupling

20 dB

Coupling Tolerance

±1.35dB

Impedance

50 ohm

Isolation at Frequency Band

30 dB @ 4900–6000 MHz | 35 dB @ 555–2700 MHz | 36 dB @ 3800–4900 MHz | 38 dB @ 2700–3800 MHz

Operating Frequency Band

555 – 6000 MHz

C-20-UW-N-A16

Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR at Frequency Band	1.25:1 @ 2700–3800 MHz 1.2:1 @ 555–2700 MHz 1.3:1 @ 3800–6000 MHz

Mechanical Specifications

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

Environmental Specifications

Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

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	0.44 kg 0.97 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