

C-20-UW-N-A16

20 dB, Air Directional Coupler, 555–6000 MHz



Product Classification

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 ± 1.35 dB
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

C-20-UW-N-A16

Operating Frequency Band	555 – 6000 MHz
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

