

# C-8-UW-N-A16



8 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

23 mm | 0.906 in

### Width

70 mm | 2.756 in

### Length

156 mm | 6.142 in

## Electrical Specifications

### 3rd Order IMD

-163 dBc

### 3rd Order IMD Test Method

Two +43 dBm carriers

### Insertion Loss at Frequency Band

1.2 dB @ 555–6000 MHz

### Average Power, maximum

200 W

### Coupling

8 dB

### Coupling Tolerance

±1.2dB

### Impedance

50 ohm

### Isolation at Frequency Band

22 dB @ 4900–6000 MHz | 24 dB @ 2700–3800 MHz | 24 dB @ 3800–4900 MHz | 28 dB @ 555–2700 MHz

### Operating Frequency Band

555 – 6000 MHz

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<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	70 W
<b>VSWR at Frequency Band</b>	1.25:1 @ 2700–3800 MHz   1.2:1 @ 555–2700 MHz   1.3:1 @ 3800–6000 MHz

## Mechanical Specifications

<b>Coupling Nut Proof Torque</b>	4.5 N-m   39.828 in lb
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## Environmental Specifications

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

## Packaging and Weights

<b>Height, packed</b>	45 mm   1.772 in
<b>Width, packed</b>	98 mm   3.858 in
<b>Length, packed</b>	180 mm   7.087 in
<b>Weight, gross</b>	0.42 kg   0.926 lb
<b>Weight, net</b>	0.36 kg   0.794 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system