

# C-8-UW-43-A16

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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** 4.3-10 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** -165 dBc

**3rd Order IMD Test Method** Two +43 dBm carriers

**Insertion Loss at Frequency Band** 1.2 dB @ 555–6000 MHz

**Average Power, maximum** 300 W

**Coupling** 8 dB

**Coupling Tolerance**  $\pm 1.2$  dB

**Impedance** 50 ohm

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<b>Isolation at Frequency Band</b>	22 dB @ 4900–6000 MHz   24 dB @ 2700–3800 MHz   24 dB @ 3800–4900 MHz   28 dB @ 555–2700 MHz
<b>Operating Frequency Band</b>	555 – 6000 MHz
<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>	7 N-m   61.955 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>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted

