

# C-20-TCPUSEW-N-A16

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20 dB, Air Directional Coupler, 340-3800 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

74.6 mm | 2.937 in

### Length

209.5 mm | 8.248 in

## Electrical Specifications

### 3rd Order IMD

-163 dBc

### 3rd Order IMD Test Method

Two +43 dBm carriers

### Insertion Loss at Frequency Band

0.35 dB @ 340-3800 MHz

### Average Power, maximum

200 W

### Coupling

20 dB

### Coupling Tolerance

±1.4dB

### Impedance

50 ohm

### Isolation at Frequency Band

36 dB @ 2700-3800 MHz | 39 dB @ 340-2700 MHz

### Operating Frequency Band

340 - 3800 MHz

### Peak Power, maximum

1 kW

# C-20-TCPUSEW-N-AI6

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<b>Reflected Power, maximum</b>	40 W
<b>VSWR at Frequency Band</b>	1.2:1 @ 340–2700 MHz   1.3:1 @ 2700–3800 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>	-25 °C to +85 °C (-13 °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>	77 mm   3.031 in
<b>Width, packed</b>	42 mm   1.654 in
<b>Length, packed</b>	258 mm   10.157 in
<b>Weight, gross</b>	0.604 kg   1.332 lb
<b>Weight, net</b>	0.53 kg   1.168 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

