

C-20-TCPUSEW-43A16



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

4.3-10 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

-165 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

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Reflected Power, maximum	40 W
VSWR at Frequency Band	1.2:1 @ 340–2700 MHz 1.3:1 @ 2700–3800 MHz

Mechanical Specifications

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

Operating Temperature	-25 °C to +85 °C (-13 °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	77 mm 3.031 in
Width, packed	42 mm 1.654 in
Length, packed	258 mm 10.157 in
Weight, gross	0.619 kg 1.365 lb
Weight, net	0.545 kg 1.202 lb

Regulatory Compliance/Certifications

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

