

C-20-TCUPSEW-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

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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	0.604 kg 1.332 lb
Weight, net	0.53 kg 1.168 lb