

C-20-CPUSEW-N-Ai6

20 dB, Low PIM Air Directional Coupler, 578–3800 MHz



Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler
Interface N Female
Color Silver

Electrical Specifications

Operating Frequency Band 578 – 3800 MHz
3rd Order IMD -160.0 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Average Power, maximum 200 W
Coupling 20.0 dB
Coupling Tolerance ± 1.0 dB @ 2700–3800 MHz | ± 1.0 dB @ 698–2700 MHz | ± 1.8 dB @ 578–698 MHz
Impedance 50 ohm
Insertion Loss at Frequency Band 0.3 dB @ 578–3800 MHz
Isolation at Frequency Band 37 dB @ 3600–3800 MHz | 38 dB @ 578–3600 MHz
Peak Power, maximum 2 kW
Reflected Power, maximum 200 W
VSWR 1.2:1 @ 578–2700 MHz | 1.3:1 @ 2700–3800 MHz

Mechanical Specifications

Inner Contact Plating Silver
Outer Contact Plating Trimetal

Environmental Specifications

Application Indoor/Outdoor
Ingress Protection Test Method IEC 60529:2001, IP65
Operating Temperature -25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity Up to 100%

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Dimensions

Height	22.00 mm 0.87 in
Length	165.00 mm 6.50 in
Width	76.00 mm 2.99 in
Net Weight	380.00 g 0.84 lb

Packed Dimensions

Height	45.0 mm 1.8 in
Length	180.0 mm 7.1 in
Width	98.0 mm 3.9 in
Shipping Weight	450.00 g 0.99 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

