

C-15-UW-43-Ai6

15 dB, Air Directional Coupler, 555–6000 MHz



Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler
Interface 4.3-10 Female
Color White

Electrical Specifications

Operating Frequency Band 555 – 6000 MHz
3rd Order IMD -165.0 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Average Power, maximum 300 W
Coupling 15.0 dB
Coupling Tolerance ± 1.3 dB
Impedance 50 ohm
Insertion Loss at Frequency Band 0.5 dB @ 555–6000 MHz
Isolation at Frequency Band 28 dB @ 4900–6000 MHz | 33 dB @ 2700–3800 MHz | 33 dB @ 3800–4900 MHz | 33 dB @ 555–2700 MHz
Peak Power, maximum 1 kW
Reflected Power, maximum 200 W
VSWR 1.2:1 @ 555–2700 MHz | 1.25:1 @ 2700–3800 MHz | 1.3:1 @ 3800–6000 MHz

Mechanical Specifications

Coupling Nut Proof Torque 7.00 N-m | 5.16 ft lb
Inner Contact Plating Silver
Outer Contact Plating Trimetal

Environmental Specifications

Application Indoor/Outdoor
Ingress Protection Test Method IEC 60529:2001, IP67
Operating Temperature -35 °C to +85 °C (-31 °F to +185 °F)

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Relative Humidity Up to 100%

Dimensions

Height 22.00 mm | 0.87 in
Length 159.00 mm | 6.26 in
Width 72.00 mm | 2.83 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 440.00 g | 0.97 lb

Regulatory Compliance/Certifications

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

