

C-10-CPUSE-43-Ai6

10 dB, Low PIM Air Directional Coupler, 555–2700 MHz



Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler
Interface 4.3-10 Female
Color Silver

Electrical Specifications

Operating Frequency Band 555 – 2700 MHz
3rd Order IMD -162.0 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Average Power, maximum 300 W
Coupling 10.0 dB
Coupling Tolerance ± 1.0 dB @ 575–2700 MHz | ± 1.5 dB @ 555–575 MHz
Impedance 50 ohm
Insertion Loss at Frequency Band 0.7 dB @ 555–2700 MHz
Isolation at Frequency Band 30 dB @ 555–2700 MHz
Peak Power, maximum 1 kW
Reflected Power, maximum 100 W
Return Loss, minimum 20.8 dB
VSWR 1.2:1

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

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Ingress Protection Test Method	IEC 60529:2001, IP65
Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%

Dimensions

Height	22.00 mm 0.87 in
Length	158.00 mm 6.22 in
Width	75.00 mm 2.95 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	75.0 mm 3.0 in
Shipping Weight	430.00 g 0.95 lb

Regulatory Compliance/Certifications

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

