

C-13-CPUSE-N-Ai6

13 dB, Air Directional Coupler, 555–2700 MHz



Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler
Interface N Female
Color Silver

Electrical Specifications

Operating Frequency Band 555 – 2700 MHz
3rd Order IMD -160.0 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Average Power, maximum 200 W
Coupling 13.0 dB
Coupling Tolerance ± 1.0 dB @ 698–2700 MHz | ± 2.0 dB @ 555–698 MHz
Impedance 50 ohm
Insertion Loss at Frequency Band 0.5 dB @ 555–2700 MHz
Isolation at Frequency Band 33 dB @ 555–2700 MHz
Peak Power, maximum 1 kW
Reflected Power, maximum 200 W
Return Loss, minimum 20.8 dB
VSWR 1.2:1

Mechanical Specifications

Coupling Nut Proof Torque 4.50 N-m | 3.32 ft lb
Inner Contact Plating Silver
Outer Contact Plating Trimetal

Environmental Specifications

Application Indoor/Outdoor
Ingress Protection Test Method IEC 60529:2001, IP65

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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	155.00 mm 6.10 in
Width	75.00 mm 2.95 in
Net Weight	380.00 g 0.84 lb

Packed Dimensions

Height	40.0 mm 1.6 in
Length	180.0 mm 7.1 in
Width	90.0 mm 3.5 in
Shipping Weight	420.00 g 0.93 lb
Volume	648.0 cc

Regulatory Compliance/Certifications

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

