

C-10-CPUSE-D-Ai6



10 dB, Air Directional Coupler, 555–2700 MHz

Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler

Interface 7-16 DIN 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 300 W
Coupling 10.0 dB
Coupling Tolerance $\pm 1.0\text{dB}$ @ 698–2700 MHz | $\pm 2.0\text{dB}$ @ 555–698 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 1.20

Mechanical Specifications

Coupling Nut Proof Torque 25.00 N-m | 18.44 ft lb
Inner Contact Plating Silver
Outer Contact Plating Trimetal

Environmental Specifications

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

C-10-CPUSE-D-Ai6

Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%

Dimensions

Height	36.00 mm 1.42 in
Length	169.00 mm 6.65 in
Width	74.50 mm 2.93 in
Net Weight	900.00 g 1.98 lb

Packed Dimensions

Height	65.0 mm 2.6 in
Length	170.0 mm 6.7 in
Width	110.0 mm 4.3 in
Shipping Weight	980.00 g 2.16 lb
Volume	1215.5 cc

Regulatory Compliance/Certifications

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

