

C-10-CPUSE-D-A16

10 dB, Air Directional Coupler, 555–2700 MHz



Product Classification

Regional Availability Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type Directional coupler

General Specifications

Device Type Coupler

Application Indoor/Outdoor

Color Silver

Inner Contact Plating Silver

Interface 7-16 DIN Female

Outer Contact Plating Trimetal

Dimensions

Height 36 mm | 1.417 in

Width 74.5 mm | 2.933 in

Length 169 mm | 6.654 in

Electrical Specifications

3rd Order IMD -160 dBc

3rd Order IMD Test Method Two +43 dBm carriers

Insertion Loss at Frequency Band 0.7 dB @ 555–2700 MHz

Return Loss, minimum 20.8 dB

Average Power, maximum 300 W

Coupling 10 dB

Coupling Tolerance ± 1.0 dB @ 698–2700 MHz | ± 2.0 dB @ 555–698 MHz

C-10-CPUSE-D-A16

Impedance	50 ohm
Isolation at Frequency Band	30 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	100 W
VSWR	1.2

Mechanical Specifications

Coupling Nut Proof Torque	25 N-m 221.269 in lb
----------------------------------	------------------------

Environmental Specifications

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

Packaging and Weights

Height, packed	65 mm 2.559 in
Width, packed	110 mm 4.331 in
Length, packed	170 mm 6.693 in
Volume	1,215.5 cc 74.174 in ³
Weight, gross	0.98 kg 2.161 lb
Weight, net	0.9 kg 1.984 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

