

C-15-CPUSE-43-AI6

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



OBSOLETE

This product was discontinued on: **October 31, 2019**

Replaced By:

C-15-UW-43-AI6 15 dB, Air Directional Coupler, 555–6000 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	4.3-10 Female
Outer Contact Plating	Trimetal

Dimensions

Height	22 mm 0.866 in
Width	75 mm 2.953 in
Length	158 mm 6.22 in

Electrical Specifications

3rd Order IMD	-162 dBc
3rd Order IMD Test Method	Two +43 dBm carriers

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Insertion Loss at Frequency Band	0.4 dB @ 555–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	300 W
Coupling	15 dB
Coupling Tolerance	±1.05dB @ 575–2700 MHz ±1.5dB @ 555–575 MHz
Impedance	50 ohm
Isolation at Frequency Band	35 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR	1.2

Mechanical Specifications

Coupling Nut Proof Torque	7 N-m 61.955 in lb
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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	45 mm 1.772 in
Width, packed	75 mm 2.953 in
Length, packed	180 mm 7.087 in
Weight, gross	0.43 kg 0.948 lb
Weight, net	0.38 kg 0.838 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

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