C-15-TCPUSE-D-AI6

15 dB, Low PIM Air Directional Coupler, 340–2700 MHz

OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

C-15-TCPUSEW-43AI6 15 dB, Air Directional Coupler, 340-3800 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	37 mm | 1.457 in
Width	75 mm | 2.953 in
Length	224 mm | 8.819 in

Electrical Specifications

3rd Order IMD	-160 dBc
3rd Order IMD Test Method	Two +43 dBm carriers

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Insertion Loss at Frequency Band	0.5 dB @ 340–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	300 W
Coupling	15 dB
Coupling Tolerance	±1.2dB @ 380–2700 MHz | ±1.7dB @ 340–380 MHz
Impedance	50 ohm
Isolation at Frequency Band	35 dB @ 340–2700 MHz
Operating Frequency Band	340 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR	1.2

Environmental Specifications

Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	53 mm | 2.087 in
Width, packed	76 mm | 2.992 in
Length, packed	255 mm | 10.039 in
Weight, gross	0.98 kg | 2.161 lb
Weight, net	0.92 kg | 2.028 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
UK-ROHS	Compliant

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