

C-20-TCPUSE-D-AI6

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



OBSOLETE

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

Replaced By:

C-20-TCPUSE-N-AI6 20 dB, Low PIM Air Directional Coupler, 340–2700 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 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

C-20-TCPUSE-D-A16

Insertion Loss at Frequency Band	0.25 dB @ 340–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	200 W
Coupling	20 dB
Coupling Tolerance	±1.2dB @ 380–2700 MHz ±1.8dB @ 340–380 MHz
Impedance	50 ohm
Isolation at Frequency Band	40 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

