

C-20-TCPUSE-N-AI6

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



OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

C-20-TCPUSEW-N-AI6 20 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 N Female

Outer Contact Plating Trimetal

Dimensions

Height 23 mm | 0.906 in

Width 76 mm | 2.992 in

Length 211 mm | 8.307 in

Electrical Specifications

3rd Order IMD -160 dBc

3rd Order IMD Test Method Two +43 dBm carriers

C-20-TCPUSE-N-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	42 mm 1.654 in
Width, packed	77 mm 3.031 in
Length, packed	258 mm 10.157 in
Weight, gross	0.58 kg 1.279 lb
Weight, net	0.52 kg 1.146 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

