

C-20-TCPUSE-D

20 dB, Directional Coupler, 380–2700 MHz



OBSOLETE

This product was discontinued on: March 30, 2016

Replaced By:

C-20-TCPUSE-D-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	Black
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Outer Contact Plating	Trimetal

Dimensions

Height	36 mm 1.417 in
Width	66 mm 2.598 in
Length	194 mm 7.638 in

Electrical Specifications

3rd Order IMD	-140 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	0.3 dB @ 380–2700 MHz

C-20-TCPUSE-D

Return Loss, minimum	19 dB
Average Power, maximum	200 W
Coupling	20 dB
Coupling Tolerance	±1.0dB
Impedance	50 ohm
Isolation at Frequency Band	20 dB @ 380–2700 MHz
Operating Frequency Band	380 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 W
VSWR	1.25

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	55 mm 2.165 in
Width, packed	110 mm 4.331 in
Length, packed	200 mm 7.874 in
Volume	1210 cc 73.839 in ³
Weight, gross	0.95 kg 2.094 lb
Weight, net	0.89 kg 1.962 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

