

# C-20-TCPUSE-N

20 dB, Directional Coupler, 380–2700 MHz



**OBSOLETE**

This product was discontinued on: March 30, 2016

**Replaced By:**

- C-20-TCPUSE-43-AI6      20 dB, Low PIM Air Directional Coupler, 340–2700 MHz
- 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	Black
Inner Contact Plating	Silver
Interface	N Female
Outer Contact Plating	Trimetal

## Dimensions

Height	23 mm   0.906 in
Width	65 mm   2.559 in
Length	180 mm   7.087 in

## Electrical Specifications

3rd Order IMD	-140 dBc
3rd Order IMD Test Method	Two +43 dBm carriers

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<b>Insertion Loss at Frequency Band</b>	0.3 dB @ 380–2700 MHz
<b>Return Loss, minimum</b>	19 dB
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	20 dB
<b>Coupling Tolerance</b>	±1.0dB
<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	20 dB @ 380–2700 MHz
<b>Operating Frequency Band</b>	380 – 2700 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	200 W
<b>VSWR</b>	1.25

## Environmental Specifications

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

## Packaging and Weights

<b>Height, packed</b>	40 mm   1.575 in
<b>Width, packed</b>	88 mm   3.465 in
<b>Length, packed</b>	195 mm   7.677 in
<b>Volume</b>	686.4 cc   41.887 in <sup>3</sup>
<b>Weight, gross</b>	0.44 kg   0.97 lb
<b>Weight, net</b>	0.4 kg   0.882 lb

## Regulatory Compliance/Certifications

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

