

# C-6-TCPUSE-N-AI6

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



## OBSOLETE

This product was discontinued on: July 31, 2021

### Replaced By:

C-6-TCPUSEW-N-AI6 6 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-6-TCPUSE-N-A16

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<b>Insertion Loss at Frequency Band</b>	1.8 dB @ 340–2700 MHz
<b>Return Loss, minimum</b>	20.8 dB
<b>Average Power, maximum</b>	200 W
<b>Coupling</b>	6 dB
<b>Coupling Tolerance</b>	±1.1dB @ 380–2700 MHz   ±1.5dB @ 340–380 MHz
<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	26 dB @ 340–2700 MHz
<b>Operating Frequency Band</b>	340 – 2700 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	40 W
<b>VSWR</b>	1.2

## 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>	42 mm   1.654 in
<b>Width, packed</b>	77 mm   3.031 in
<b>Length, packed</b>	258 mm   10.157 in
<b>Weight, gross</b>	0.58 kg   1.279 lb
<b>Weight, net</b>	0.52 kg   1.146 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

