

# C-30-TCPUSE-D-AI6

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



## OBSOLETE

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

### Replaced By:

C-30-TCPUSE-N-AI6     30 dB, Low PIM Air Directional Coupler, 340–2700 MHz

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	Directional coupler

## General Specifications

<b>Device Type</b>	Coupler
<b>Application</b>	Indoor/Outdoor
<b>Color</b>	Silver
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	7-16 DIN Female
<b>Outer Contact Plating</b>	Trimetal

## Dimensions

<b>Height</b>	37 mm   1.457 in
<b>Width</b>	75 mm   2.953 in
<b>Length</b>	224 mm   8.819 in

## Electrical Specifications

<b>3rd Order IMD</b>	-160 dBc
<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers

# C-30-TCPUSE-D-A16

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<b>Insertion Loss at Frequency Band</b>	0.3 dB @ 340–2700 MHz
<b>Return Loss, minimum</b>	20.8 dB
<b>Average Power, maximum</b>	300 W
<b>Coupling</b>	30 dB
<b>Coupling Tolerance</b>	±1.5dB @ 380–2700 MHz   ±1.8dB @ 340–380 MHz
<b>Impedance</b>	50 ohm
<b>Isolation at Frequency Band</b>	50 dB @ 340–2700 MHz
<b>Operating Frequency Band</b>	340 – 2700 MHz
<b>Peak Power, maximum</b>	1 kW
<b>Reflected Power, maximum</b>	200 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>	53 mm   2.087 in
<b>Width, packed</b>	76 mm   2.992 in
<b>Length, packed</b>	255 mm   10.039 in
<b>Weight, gross</b>	0.98 kg   2.161 lb
<b>Weight, net</b>	0.92 kg   2.028 lb

## Regulatory Compliance/Certifications

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

