

# C-15-TCPUSE-N-Ai6



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

## Product Classification

**Product Type** Directional coupler

## General Specifications

**Device Type** Coupler  
**Interface** N Female  
**Color** Silver

## Electrical Specifications

**Operating Frequency Band** 340 – 2700 MHz  
**3rd Order IMD** -160.0 dBc  
**3rd Order IMD Test Method** Two +43 dBm carriers  
**Average Power, maximum** 200 W  
**Coupling** 15.0 dB  
**Coupling Tolerance**  $\pm 1.2$  dB @ 380–2700 MHz |  $\pm 1.7$  dB @ 340–380 MHz  
**Impedance** 50 ohm  
**Insertion Loss at Frequency Band** 0.5 dB @ 340–2700 MHz  
**Isolation at Frequency Band** 35 dB @ 340–2700 MHz  
**Peak Power, maximum** 1 kW  
**Reflected Power, maximum** 200 W  
**Return Loss, minimum** 20.8 dB  
**VSWR** 1.2:1

## Mechanical Specifications

**Inner Contact Plating** Silver  
**Outer Contact Plating** Trimetal

## Environmental Specifications

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

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## Dimensions

<b>Height</b>	23.00 mm   0.91 in
<b>Length</b>	211.00 mm   8.31 in
<b>Width</b>	76.00 mm   2.99 in
<b>Net Weight</b>	520.00 g   1.15 lb

## Packed Dimensions

<b>Height</b>	42.0 mm   1.7 in
<b>Length</b>	258.0 mm   10.2 in
<b>Width</b>	77.0 mm   3.0 in
<b>Shipping Weight</b>	580.00 g   1.28 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

