

# C-10-CPUSEW-N-Ai6

10 dB, Low PIM Air Directional Coupler, 578–3800 MHz



## Product Classification

**Product Type** Directional coupler

## General Specifications

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

## Electrical Specifications

**Operating Frequency Band** 578 – 3800 MHz  
**3rd Order IMD** -160.0 dBc  
**3rd Order IMD Test Method** Two +43 dBm carriers  
**Average Power, maximum** 200 W  
**Coupling** 10.0 dB  
**Coupling Tolerance**  $\pm 1.0$  dB @ 2700–3800 MHz |  $\pm 1.0$  dB @ 698–2700 MHz |  $\pm 1.6$  dB @ 578–698 MHz  
**Impedance** 50 ohm  
**Insertion Loss at Frequency Band** 0.8 dB @ 578–3800 MHz  
**Isolation at Frequency Band** 27 dB @ 3600–3800 MHz | 28 dB @ 578–3600 MHz  
**Peak Power, maximum** 2 kW  
**Reflected Power, maximum** 100 W  
**VSWR** 1.2:1 @ 578–2700 MHz | 1.3:1 @ 2700–3800 MHz

## 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>	22.00 mm   0.87 in
<b>Length</b>	165.00 mm   6.50 in
<b>Width</b>	76.00 mm   2.99 in
<b>Net Weight</b>	380.00 g   0.84 lb

## Packed Dimensions

<b>Height</b>	45.0 mm   1.8 in
<b>Length</b>	180.0 mm   7.1 in
<b>Width</b>	98.0 mm   3.9 in
<b>Shipping Weight</b>	450.00 g   0.99 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

