

# C-10-CPUSE-N-Ai6



10 dB, Air Directional Coupler, 555–2700 MHz

## Product Classification

**Product Type** Directional coupler

## General Specifications

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

## Electrical Specifications

**Operating Frequency Band** 555 – 2700 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 @ 698–2700 MHz |  $\pm 2.0$  dB @ 555–698 MHz  
**Impedance** 50 ohm  
**Insertion Loss at Frequency Band** 0.7 dB @ 575–2700 MHz  
**Isolation at Frequency Band** 30 dB @ 555–2700 MHz  
**Peak Power, maximum** 1 kW  
**Reflected Power, maximum** 100 W  
**Return Loss, minimum** 20.8 dB  
**VSWR** 1.2:1

## Mechanical Specifications

**Coupling Nut Proof Torque** 4.50 N-m | 3.32 ft lb  
**Inner Contact Plating** Silver  
**Outer Contact Plating** Trimetal

## Environmental Specifications

**Application** Indoor/Outdoor  
**Ingress Protection Test Method** IEC 60529:2001, IP65  
**Operating Temperature** -35 °C to +85 °C (-31 °F to +185 °F)

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**Relative Humidity** Up to 100%

## Dimensions

**Height** 22.00 mm | 0.87 in  
**Length** 155.00 mm | 6.10 in  
**Width** 75.00 mm | 2.95 in  
**Net Weight** 380.00 g | 0.84 lb

## Packed Dimensions

**Height** 40.0 mm | 1.6 in  
**Length** 180.0 mm | 7.1 in  
**Width** 90.0 mm | 3.5 in  
**Shipping Weight** 420.00 g | 0.93 lb  
**Volume** 648.0 cc

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system

