



## C-8-CPUSE-D-Ai6

**8 dB, Air Directional Coupler, 555–2700 MHz**

### General Specifications

Brand	Andrew®
Device Type	Coupler
Interface	7-16 DIN Female
Color	Silver

### Electrical Specifications

Operating Frequency Band	555 – 2700 MHz
3rd Order IMD	-160 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	300 W
Coupling	8.0 dB
Coupling Tolerance	±1.0 dB @ 698–2700 MHz   ±2.0 dB @ 555–698 MHz
Impedance	50 ohm
Insertion Loss at Frequency Band	1.1 dB @ 555–2700 MHz
Isolation at Frequency Band	28 dB @ 555–2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	70 W
Return Loss, minimum	20.8 dB
VSWR	1.2:1

### Mechanical Specifications

Coupling Nut Proof Torque	25.00 N-m   18.44 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)
Relative Humidity	Up to 100%

### Dimensions

Height	36.00 mm   1.42 in
Length	169.00 mm   6.65 in
Width	74.50 mm   2.93 in

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Net Weight 900.00 g | 1.98 lb

## Packed Dimensions

Height	65.0 mm   2.6 in
Length	170.0 mm   6.7 in
Width	110.0 mm   4.3 in
Shipping Weight	980.00 g   2.16 lb
Volume	1215.5 cc

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system