



## C-20-TCPUSE-D-Ai6

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

### General Specifications

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

### Electrical Specifications

Operating Frequency Band	340 – 2700 MHz
3rd Order IMD	-160 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	200 W
Coupling	20.0 dB
Coupling Tolerance	±1.2 dB @ 380–2700 MHz   ±1.8 dB @ 340–380 MHz
Impedance	50 ohm
Insertion Loss at Frequency Band	0.25 dB @ 340–2700 MHz
Isolation at Frequency Band	40 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%

### Dimensions

Height	37.00 mm   1.46 in
Length	224.00 mm   8.82 in
Width	75.00 mm   2.95 in
Net Weight	920.00 g   2.03 lb

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## Packed Dimensions

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Height	53.0 mm		2.1 in
Length	255.0 mm		10.0 in
Width	76.0 mm		3.0 in
Shipping Weight	980.00 g		2.16 lb

## Regulatory Compliance/Certifications

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### Agency

RoHS 2011/65/EU  
ISO 9001:2008

### Classification

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

