



C-6-TCPUSE-D-Ai6

6 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	300 W
Coupling	6.0 dB
Coupling Tolerance	±1.1 dB @ 380–2700 MHz ±1.5 dB @ 340–380 MHz
Impedance	50 ohm
Insertion Loss at Frequency Band	1.8 dB @ 340–2700 MHz
Isolation at Frequency Band	26 dB @ 340–2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	40 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

Height	53.0 mm		2.1 in
Length	255.0 mm		10.0 in
Width	75.0 mm		3.0 in
Shipping Weight	980.00 g		2.16 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2008

Classification

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

