

C-10-TCPUSE-D-Ai6



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

Product Classification

Product Type Directional coupler

General Specifications

Device Type Coupler
Interface 7-16 DIN Female
Color Silver

Electrical Specifications

Operating Frequency Band 340 – 2700 MHz
3rd Order IMD -160.0 dBc
3rd Order IMD Test Method Two +43 dBm carriers
Average Power, maximum 300 W
Coupling 10.0 dB
Coupling Tolerance ± 1.2 dB @ 380–2700 MHz | ± 1.7 dB @ 340–380 MHz
Impedance 50 ohm
Insertion Loss at Frequency Band 0.8 dB @ 340–2700 MHz
Isolation at Frequency Band 30 dB @ 340–2700 MHz
Peak Power, maximum 1 kW
Reflected Power, maximum 100 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%

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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

Packed Dimensions

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

Agency	Classification
RoHS 2011/65/EU	
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

