

C-10-TCPUSE-D-A16

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



Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Directional coupler

General Specifications

Device Type	Coupler
Application	Indoor/Outdoor
Color	Silver
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Outer Contact Plating	Trimetal

Dimensions

Height	37 mm 1.457 in
Width	75 mm 2.953 in
Length	224 mm 8.819 in

Electrical Specifications

3rd Order IMD	-160 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	0.8 dB @ 340–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	300 W
Coupling	10 dB
Coupling Tolerance	±1.2dB @ 380–2700 MHz ±1.7dB @ 340–380 MHz
Impedance	50 ohm

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Isolation at Frequency Band	30 dB @ 340–2700 MHz
Operating Frequency Band	340 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	100 W
VSWR	1.2

Environmental Specifications

Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	53 mm 2.087 in
Width, packed	76 mm 2.992 in
Length, packed	255 mm 10.039 in
Weight, gross	0.98 kg 2.161 lb
Weight, net	0.92 kg 2.028 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

