



C-6-CPUSE-D

6 dB, Directional Coupler, 698–2700 MHz

General Specifications

Device Type	Coupler
Interface	7-16 DIN Female
Color	Black

Electrical Specifications

Operating Frequency Band	698 – 2700 MHz
3rd Order IMD	-140 dBc (relative to carrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	200 W
Coupling	6.0 dB
Coupling Tolerance	±0.8 dB
Impedance	50 ohm
Insertion Loss at Frequency Band	1.5 dB @ 698–2700 MHz
Isolation at Frequency Band	26 dB @ 698–2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	40 W
Return Loss	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	36.00 mm 1.42 in
Length	156.00 mm 6.14 in
Net Weight	750.00 g 1.65 lb
Width	66.00 mm 2.60 in

Packed Dimensions

Height	60.0 mm 2.4 in
Length	170.0 mm 6.7 in
Shipping Weight	810.00 g 1.79 lb

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Volume	1122.0000 cc
Width	110.0 mm 4.3 in

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

