



C-6-CPUSE-N

6 dB, Directional Coupler, 698–2700 MHz

General Specifications

Device Type	Coupler
Interface	N 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	23.00 mm 0.91 in
Length	141.00 mm 5.55 in
Net Weight	300.00 g 0.66 lb
Width	65.00 mm 2.56 in

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Packed Dimensions

Height	40.0 mm 1.6 in
Length	180.0 mm 7.1 in
Shipping Weight	350.00 g 0.77 lb
Volume	648.0000 cc
Width	90.0 mm 3.5 in

Regulatory Compliance/Certifications

Agency

RoHS 2002/95/EC
ISO 9001:2008

Classification

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

