



C-6-CPUSE-N-A

6 dB, Air 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	-150 dBc (relative to carrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	200 W
Coupling	6.0 dB
Coupling Tolerance	±1.0 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	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%

Dimensions

Height	22.00 mm 0.87 in
Length	155.00 mm 6.10 in
Net Weight	377.80 g 0.83 lb
Width	75.00 mm 2.95 in

C-6-CPUSE-N/A



Packed Dimensions

Height	40.0 mm 1.6 in
Length	180.0 mm 7.1 in
Shipping Weight	420.00 g 0.93 lb
Volume	648.0000 cc
Width	90.0 mm 3.5 in

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system