C-6-CPUSE-N-A

6 dB, Air Directional Coupler, 698–2700 MHz

OBSOLETE

This product was discontinued on: July 31, 2014

Replaced By:

C-5-CPUSE-N-AI6	5 dB, Air Directional Coupler, 555–2700 MHz
C-5-UW-43-AI6	5 dB, Air Directional Coupler, 555–6000 MHz
C-5-UW-N-AI6	5 dB, Air Directional Coupler, 555–6000 MHz
C-6-CPUSE-N-AI6	6 dB, Air Directional Coupler, 555–2700 MHz
C-6-CPUSE-N-AI6X	6 dB, Air Directional Coupler, 578–2700 MHz
C-6-UW-43-AI6	6 dB, Air Directional Coupler, 555–6000 MHz
C-6-UW-N-AI6	6 dB, Air Directional Coupler, 555–6000 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	Black
Inner Contact Plating	Silver
Interface	N Female
Outer Contact Plating	Trimetal

Dimensions

Height	22 mm | 0.866 in

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Width	75 mm | 2.953 in
Length	155 mm | 6.102 in

Electrical Specifications

3rd Order IMD	-150 dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	1.5 dB @ 698–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	200 W
Coupling	6 dB
Coupling Tolerance	±1.0dB
Impedance	50 ohm
Isolation at Frequency Band	26 dB @ 698–2700 MHz
Operating Frequency Band	698 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	40 W
VSWR	1.2

Environmental Specifications

Operating Temperature	-35 °C to +85 °C (-31 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	40 mm | 1.575 in
Width, packed	90 mm | 3.543 in
Length, packed	180 mm | 7.087 in
Volume	648 cc | 39.543 in^3
Weight, gross	0.42 kg | 0.926 lb
Weight, net	0.38 kg | 0.838 lb

Regulatory Compliance/Certifications

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

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