

C-30-CPUSE-D

30 dB, Directional Coupler, 698–2700 MHz



OBSOLETE

This product was discontinued on: July 31, 2014

Replaced By:

C-30-CPUSE-D-AI6	30 dB, Air Directional Coupler, 555–2700 MHz
C-30-CPUSE-D-AI6X	30 dB, Air Directional Coupler, 578–2700 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	Black
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Outer Contact Plating	Trimetal

Dimensions

Height	36 mm 1.417 in
Width	70 mm 2.756 in
Length	156 mm 6.142 in

Electrical Specifications

3rd Order IMD	-140 dBc
3rd Order IMD Test Method	Two +43 dBm carriers

C-30-CPUSE-D

Insertion Loss at Frequency Band	0.2 dB @ 698–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	200 W
Coupling	30 dB
Coupling Tolerance	±1.0dB
Impedance	50 ohm
Isolation at Frequency Band	35 dB @ 698–2700 MHz
Operating Frequency Band	698 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	200 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	50 mm 1.969 in
Width, packed	110 mm 4.331 in
Length, packed	170 mm 6.693 in
Volume	1122 cc 68.469 in ³
Weight, gross	0.86 kg 1.896 lb
Weight, net	0.8 kg 1.764 lb

Regulatory Compliance/Certifications

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

