

H-3-CPUSE-N-A

Air Dielectric Hybrid Coupler, 698–2700 MHz



OBSOLETE

This product was discontinued on: July 31, 2014

Replaced By:

H-3-CPUSE-N-AI6	Air Dielectric Hybrid Coupler, 555–2700 MHz
H-3-CPUSE-N-AI6X	Air Dielectric Hybrid Coupler, 578–2700 MHz

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Hybrid coupler

General Specifications

Device Type	Hybrid
Application	Indoor/Outdoor
Color	Black
Inner Contact Plating	Silver
Interface	N Female
Outer Contact Plating	Trimetal

Dimensions

Height	26 mm 1.024 in
Width	83 mm 3.268 in
Length	138 mm 5.433 in

Electrical Specifications

3rd Order IMD	-150 dBc
3rd Order IMD Test Method	Two +43 dBm carriers

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Insertion Loss at Frequency Band	0.2 dB @ 698–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	150 W
Coupling	3.1 dB
Coupling Tolerance	±0.5dB
Impedance	50 ohm
Isolation at Frequency Band	23 dB @ 698–2700 MHz
Operating Frequency Band	698 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	150 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	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	0.51 kg 1.124 lb
Weight, net	0.46 kg 1.014 lb

Regulatory Compliance/Certifications

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

