

H-3-CPUSE-D-A



Air Dielectric Hybrid Coupler, 698–2700 MHz

OBSOLETE

This product was discontinued on: July 31, 2014

Replaced By:

H-3-CPUSE-D-ACSI6	Air Dielectric Hybrid Coupler, Same side inputs, 698–2700 MHz
H-3-CPUSE-D-AI6	Air Dielectric Hybrid Coupler, 555–2700 MHz
H-3-CPUSE-D-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	7-16 DIN Female
Outer Contact Plating	Trimetal

Dimensions

Height	36 mm 1.417 in
Width	92.4 mm 3.638 in
Length	138 mm 5.433 in

Electrical Specifications

3rd Order IMD	-150 dBc
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3rd Order IMD Test Method	Two +43 dBm carriers
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	60 mm 2.362 in
Width, packed	110 mm 4.331 in
Length, packed	170 mm 6.693 in
Volume	1122 cc 68.469 in ³
Weight, gross	0.95 kg 2.094 lb
Weight, net	0.89 kg 1.962 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant



