

H-4X4-CPUSE-43-AI6

Low PIM 4x4 High Power Hybrid Matrix, 555–2700 MHz



OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

H-4X4-UW-43-AI6

Low PIM 4x4 High Power Hybrid Matrix, 555–6000 MHz

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type

Hybrid matrix

General Specifications

Device Type

Hybrid

Application

Indoor/Outdoor

Color

Silver

Inner Contact Plating

Silver

Interface

4.3-10 Female

Outer Contact Plating

Trimetal

Dimensions

Height

34 mm | 1.339 in

Width

180 mm | 7.087 in

Length

180 mm | 7.087 in

Electrical Specifications

3rd Order IMD

-162 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

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Insertion Loss at Frequency Band	0.3 dB @ 555–2700 MHz
Return Loss, minimum	20.8 dB
Average Power, maximum	100 W
Coupling	6.1 dB
Coupling Tolerance	±1.25dB @ 575–2700 MHz ±1.65dB @ 555–575 MHz
Impedance	50 ohm
Isolation at Frequency Band	25 dB @ 555–2700 MHz
Operating Frequency Band	555 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	100 W
VSWR	1.2

Mechanical Specifications

Coupling Nut Proof Torque	7 N-m 61.955 in lb
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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	50 mm 1.969 in
Width, packed	210 mm 8.268 in
Length, packed	220 mm 8.661 in
Weight, gross	1.54 kg 3.395 lb
Weight, net	1.43 kg 3.153 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
UK-ROHS	Compliant

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