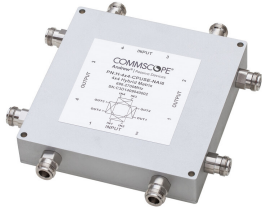


H-4X4-CPUSE-NAI6



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

N Female

Outer Contact Plating

Trimetal

Dimensions

Height

31 mm | 1.22 in

Width

181 mm | 7.126 in

Length

181 mm | 7.126 in

Electrical Specifications

3rd Order IMD

-160 dBc

3rd Order IMD Test Method

Two +43 dBm carriers

Insertion Loss at Frequency Band

0.3 dB @ 555–2700 MHz

Return Loss, minimum

20.8 dB

Average Power, maximum

100 W

Coupling

6.2 dB

Coupling Tolerance

±1.0dB @ 698–2700 MHz | ±2.5dB @ 555–698 MHz

Impedance

50 ohm

Isolation at Frequency Band

25 dB @ 555–2700 MHz

Operating Frequency Band

555 – 2700 MHz

H-4X4-CPUSE-NAI6

| | |
|---------------------------------|-------|
| Peak Power, maximum | 1 kW |
| Reflected Power, maximum | 100 W |
| VSWR | 1.2 |

Mechanical Specifications

| | |
|----------------------------------|------------------------|
| Coupling Nut Proof Torque | 4.5 N-m 39.828 in lb |
|----------------------------------|------------------------|

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 | 45 mm 1.772 in |
| Width, packed | 210 mm 8.268 in |
| Length, packed | 210 mm 8.268 in |
| Weight, gross | 2 kg 4.409 lb |
| Weight, net | 1.5 kg 3.307 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 |

