Low PIM 4x4 High Power Hybrid Matrix, 555–2 700 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
7-16 DIN Female

Outer Contact Plating
Trimetal

Dimensions

Height
34 mm | 1.339 in

Width
191 mm | 7.52 in

Length
191 mm | 7.52 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
6.1 dB

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

Impedance
50 ohm
H-4X4-CPUSE-DA16

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 25 N·m | 221.269 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 2.3 kg | 5.071 lb
Weight, net 1.8 kg | 3.968 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