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
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

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
±1.25 dB @ 575–2700 MHz | ±1.65 dB @ 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 |

#### 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

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<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
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