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
- White

Inner Contact Plating
- Silver

Interface
- 4.3-10 Female

Outer Contact Plating
- Trimetal

Dimensions

Height
- 32.3 mm | 1.272 in

Width
- 182.6 mm | 7.189 in

Length
- 182.6 mm | 7.189 in

Electrical Specifications

Return Loss at Frequency Band
- 17.7 dB @ 555–6000 MHz

Average Power, maximum
- 100 W

Coupling
- 6.2 dB

Coupling Tolerance
- ±1.4 dB @ 600–5950 MHz | ±2.0 dB @ 555–600 MHz | ±2.0 dB @ 5950–6000 MHz

Impedance
- 50 ohm

Isolation at Frequency Band
- 19 dB @ 555–6000 MHz

Operating Frequency Band
- 555 – 6000 MHz

Peak Power, maximum
- 1 kW

Reflected Power, maximum
- 100 W
Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>617–960</th>
<th>1695–2700</th>
<th>3100–4200</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBc</td>
<td>-163</td>
<td>-163</td>
<td>-150</td>
</tr>
</tbody>
</table>

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, IP67

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**: 1.77 kg | 3.902 lb
- **Weight, net**: 1.64 kg | 3.616 lb

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Above maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant/Exempted</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant/Exempted</td>
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