T-50-DFI6

Low PIM Termination 50 W Load, 555-2700 MHz

Replaced By:
T-50-UW-43-M-I6 Low PIM Termination 50 W Load, 0-6000 MHz

Product Classification

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

Product Type
Termination Load

General Specifications

Device Type
Termination Load

Application
Indoor/Outdoor

Color
Silver

Inner Contact Plating
Silver

Interface
7-16 DIN Female

Outer Contact Plating
Trimetal

Dimensions

Height
74 mm | 2.913 in

Width
60 mm | 2.362 in

Length
180 mm | 7.087 in

Electrical Specifications

3rd Order IMD
-160 dBc

3rd Order IMD Test Method
Two +43 dBm carriers

Return Loss, minimum
19 dB

Average Power, maximum
50 W
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>Operating Frequency Band</td>
<td>555 – 2700 MHz</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.25</td>
</tr>
</tbody>
</table>
Environmental Specifications

**Operating Temperature**  
-25 °C to +50 °C (-13 °F to +122 °F)

**Relative Humidity**  
Up to 100%

**Ingress Protection Test Method**  
IEC 60529:2001, IP65

Packaging and Weights

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height, packed</td>
<td>75 mm</td>
<td>2.953 in</td>
</tr>
<tr>
<td>Width, packed</td>
<td>90 mm</td>
<td>3.543 in</td>
</tr>
<tr>
<td>Length, packed</td>
<td>210 mm</td>
<td>8.268 in</td>
</tr>
<tr>
<td>Weight, gross</td>
<td>1.5 kg</td>
<td>3.307 lb</td>
</tr>
<tr>
<td>Weight, net</td>
<td>1.29 kg</td>
<td>2.844 lb</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<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>
</tr>
<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>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>