HomeConnect® Directional Coupler, 26 dB, wall mount

Product Classification

Product Type
Directional coupler

Product Brand
HomeConnect®

General Specifications

Device Type
Coupler

Application
Indoor | Outdoor

Mounting
Wall mount

Video Ports, quantity
2

Electrical Specifications

Insertion Loss at Frequency Band, tap
26.0 dB ±1.0 dB @ 550–1002 MHz | 26.0 dB ±1.0 dB @ 5–550 MHz

Insertion Loss at Frequency Band, typical
0.9 dB @ 5–550 MHz | 1.2 dB @ 550–1002 MHz

Return Loss at Frequency Band, input, typical
20 dB @ 50–1002 MHz | 20 dB @ 5–45 MHz

Return Loss at Frequency Band, output, typical
20 dB @ 50–1002 MHz | 20 dB @ 5–45 MHz

Return Loss at Frequency Band, tap
20.0 dB @ 50–1002 MHz | 21.0 dB @ 5–45 MHz

Impedance
75 ohm

Operating Frequency Band
5 – 1002 MHz

Power Passing
No

Shielding Effectiveness, minimum
120 dB

Spurious Signals/2nd Order Harmonics, before surge
<-60 dBmV

Surge Capability Test Method
ANSI/SCTE 81 | Category A3 (6 kV, 200 A, Ring wave)

Surge Capability Waveform
100 kHz ring wave waveform

Electrical Specifications, Isolation

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### Isolation at Frequency Band, tap to output, typical

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>Isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>300–1002 MHz</td>
<td>30.0 dB</td>
</tr>
<tr>
<td>50–300 MHz</td>
<td>30.0 dB</td>
</tr>
<tr>
<td>15–45 MHz</td>
<td>35.0 dB</td>
</tr>
<tr>
<td>5–15 MHz</td>
<td>35.0 dB</td>
</tr>
</tbody>
</table>

### Material Specifications

**Material Type**

<table>
<thead>
<tr>
<th>Material Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
</tr>
</tbody>
</table>

### Environmental Specifications

**Operating Temperature**

-40 °C to +60 °C (-40 °F to +140 °F)

**Safety Standard**

CE | EN 60728-4 | SCTE

### Packaging and Weights

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height, packed</td>
<td>215.9 mm</td>
</tr>
<tr>
<td>Width, packed</td>
<td>368.3 mm</td>
</tr>
<tr>
<td>Length, packed</td>
<td>482.6 mm</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>400</td>
</tr>
<tr>
<td>Weight, gross</td>
<td>21.32 kg</td>
</tr>
</tbody>
</table>

### Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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</thead>
<tbody>
<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>
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</tbody>
</table>

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