HomeConnect® Directional Coupler, 9 dB, T-type

Product Classification

**Product Type**
- Directional coupler

**Product Brand**
- HomeConnect®

General Specifications

**Device Type**
- Coupler

**Application**
- Indoor  |  Outdoor

**Mounting**
- Horizontal

**Video Ports, quantity**
- 2

Electrical Specifications

**Insertion Loss at Frequency Band, tap**
- 9.0 dB ±1.0 dB @ 550–1002 MHz  |  9.0 dB ±1.0 dB @ 5–550 MHz

**Insertion Loss at Frequency Band, typical**
- 1.8 dB @ 5–550 MHz  |  2.1 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**
- 28.0 dB @ 300–1002 MHz  |  28.0 dB @ 50–300 MHz  |  30.0 dB @ 5–1002 MHz
Isolation at Frequency Band, tap to output, typical

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>Typical Isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>300–1002 MHz</td>
<td>28.0 dB</td>
</tr>
<tr>
<td>50–300 MHz</td>
<td>28.0 dB</td>
</tr>
<tr>
<td>5–15 MHz</td>
<td>30.0 dB</td>
</tr>
<tr>
<td>15–45 MHz</td>
<td>35.0 dB</td>
</tr>
</tbody>
</table>

Material Specifications

Material Type

Zinc

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>203.2 mm</td>
</tr>
<tr>
<td>Width, packed</td>
<td>330.2 mm</td>
</tr>
<tr>
<td>Length, packed</td>
<td>520.7 mm</td>
</tr>
<tr>
<td>Carton Quantity</td>
<td>450</td>
</tr>
<tr>
<td>Weight, gross</td>
<td>20.87 kg</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

  - Classification: Designed, manufactured and/or distributed under this quality management system
- Agency: REACH-SVHC
  - Classification: Compliant as per SVHC revision on www.commscope.com/ProductCompliance
- Agency: ROHS
  - Classification: Compliant