# HomeConnect® Directional Coupler, 16 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**
- 16.0 dB ±1.0 dB @ 550–1002 MHz | 16.0 dB ±1.0 dB @ 5–550 MHz

**Insertion Loss at Frequency Band, typical**
- 1.0 dB @ 5–550 MHz | 1.5 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

**30.0 dB @ 300–1002 MHz**
- 30.0 dB @ 50–300 MHz | 35.0 dB @ 5–300 MHz

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SVDCW16G

Isolation at Frequency Band, tap to output, typical

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

Height, packed

215.9 mm | 8.5 in

Width, packed

368.3 mm | 14.5 in

Length, packed

482.6 mm | 19 in

Carton Quantity

400

Weight, gross

21.32 kg | 47.002 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system