HomeConnect® Directional Coupler, 23 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
- 23.0 dB ±1.0 dB @ 550–1002 MHz  |  23.0 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
Isolation at Frequency Band, tap to output, typical

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Isolation (dB)</th>
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</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

203.2 mm | 8 in

Width, packed

330.2 mm | 13 in

Length, packed

520.7 mm | 20.5 in

Carton Quantity

450

Weight, gross

20.87 kg | 46.01 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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