HomeConnect® Directional Coupler, 30 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: 29.0 dB ±1.0 dB @ 550–1002 MHz | 29.0 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

30.0 dB @ 300–1002 MHz | 30.0 dB @ 50–300 MHz | 35.0
Isolation at Frequency Band, tap to output, typical

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