

# SVDCW12G



HomeConnect® Directional Coupler, 12 dB, wall mount

OBSOLETE

## 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              | 12.0 dB ±1.0 dB @ 550–1002 MHz   12.0 dB ±1.0 dB @ 5–550 MHz |
| Insertion Loss at Frequency Band, typical          | 1.2 dB @ 5–550 MHz   1.7 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)          |

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|   |  |
|---|--|
| Surge Capability Waveform                           | 100 kHz ring wave waveform   |
| Electrical Specifications, Isolation                |  |
| Isolation at Frequency Band, tap to output, typical | 28.0 dB @ 300–1002 MHz   30.0 dB @ 50–300 MHz   30.0 dB @ 5–15 MHz   35.0 dB @ 15–45 MHz |
| 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        | Classification   |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

