

# SVDC6G



## HomeConnect® Directional Coupler, 6 dB, T-type

### OBSOLETE

This product was discontinued on: November 29, 2023

## Product Classification

<b>Product Type</b>	Directional coupler
<b>Product Brand</b>	HomeConnect®

## General Specifications

<b>Device Type</b>	Coupler
<b>Application</b>	Indoor   Outdoor
<b>Mounting</b>	Horizontal
<b>Video Ports, quantity</b>	2

## Electrical Specifications

<b>Insertion Loss at Frequency Band, tap</b>	6.0 dB $\pm$ 1.0 dB @ 550–1002 MHz   6.0 dB $\pm$ 1.0 dB @ 5–550 MHz
<b>Insertion Loss at Frequency Band, typical</b>	2.3 dB @ 5–550 MHz   2.8 dB @ 550–1002 MHz
<b>Return Loss at Frequency Band, input, typical</b>	20 dB @ 50–1002 MHz   20 dB @ 5–45 MHz
<b>Return Loss at Frequency Band, output, typical</b>	20 dB @ 50–1002 MHz   20 dB @ 5–45 MHz
<b>Return Loss at Frequency Band, tap</b>	20.0 dB @ 50–1002 MHz   21.0 dB @ 5–45 MHz
<b>Impedance</b>	75 ohm
<b>Operating Frequency Band</b>	5 – 1002 MHz
<b>Power Passing</b>	No
<b>Shielding Effectiveness, minimum</b>	120 dB
<b>Spurious Signals/2nd Order Harmonics, before surge</b>	<-60 dBmV

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## 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

26.0 dB @ 300–1002 MHz | 28.0 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

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

### Classification

ISO 9001:2015

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

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](https://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

