

SVDC12G



HomeConnect® Directional Coupler, 12 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	12.0 dB \pm 1.0 dB @ 550–1002 MHz 12.0 dB \pm 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)
Surge Capability Waveform	100 kHz ring wave waveform

Electrical Specifications, Isolation

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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 @ 5–15 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

ISO 9001:2015

REACH-SVHC

ROHS

Classification

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

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Compliant

