

SVDC23G



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 \pm 1.0 dB @ 550–1002 MHz 23.0 dB \pm 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

SVDC23G

Isolation at Frequency Band, tap to output, typical

30.0 dB @ 300–1002 MHz | 30.0 dB @ 50–300 MHz | 35.0 dB @ 15–45 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

Classification

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

