

SVDC12G



HomeConnect® Directional Coupler, 12 dB, T-type

OBSOLETE

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 ±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 @ 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	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
ROHS	Compliant
UK-ROHS	Compliant

