

# SVA10RPFS



HomeConnect® Mini Subscriber Amplifier, 10 dB reverse, one port

**OBSOLETE**

## Product Classification

<b>Product Type</b>	RF amplifier
<b>Product Brand</b>	HomeConnect®

## General Specifications

<b>Device Type</b>	Reverse subscriber amplifier
<b>Application</b>	Indoor   Outdoor
<b>Video Ports, quantity</b>	1
<b>Video Standard</b>	NTSC

## Electrical Specifications

<b>Distortion Performance (DSO), minimum</b>	55 -dBc
<b>Distortion Performance (DTO), minimum</b>	55 -dBc
<b>Group Delay, channel 2–4, maximum</b>	20 ns
<b>Group Delay, channel 5–6, maximum</b>	5 ns
<b>Group Delay, reverse, maximum</b>	20 ns
<b>Hum Modulation, minimum</b>	-75 dB
<b>Impedance</b>	75 ohm
<b>Operating Current at Voltage</b>	300 mA @ 15 Vdc
<b>Shielding Effectiveness, minimum</b>	100 dB
<b>Surge Capability Test Method</b>	ANSI/SCTE 81   IEEE C62.41-A3 (6 kV, 200 A, Ring wave) on all ports   IEEE C62.41-B3 (6 kV, 3000 A, Combination wave) on input port

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## Surge Capability Waveform

1.2/50 voltage and 8/20 current combination waveform | 100 kHz ring wave waveform

## Electrical Specifications, Isolation

### Isolation at Frequency Band, power port to RF output, minimum

55 dB @ 5–1002 MHz

## Electrical Specifications, Rx (Uplink)

### Flatness

±1.0 dB

### Gain

10 dB

### Return Loss, minimum

20 dB

### Noise Figure, maximum

7.5 dB

### Operating Frequency Band

5 – 42 MHz

## Electrical Specifications, Tx (Downlink)

### Flatness

±0.5 dB

### Operating Frequency Band

53 – 1002 MHz

### Insertion Loss

1.5 dB

### Return Loss, minimum

20 dB

## Environmental Specifications

### Operating Temperature

-40 °C to +60 °C (-40 °F to +140 °F)

### Safety Standard

SCTE

## Packaging and Weights

### Height, packed

190.5 mm | 7.5 in

### Width, packed

228.6 mm | 9 in

### Length, packed

469.9 mm | 18.5 in

### Carton Quantity

20

### Included

Power adapter

### Weight, gross

7.711 kg | 17 lb

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

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

# SVA10RPFS

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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



## Included Products

SVAPA15V300	-	HomeConnect® Power Adapter for Subscriber Amplifiers, ac/dc, 15 V, 300 mA
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## \* Footnotes

<b>Distortion Performance (DSO), minimum</b>	DSO—Discrete Second Order; 13 MHz and 19 MHz, 55 dBmV per carrier loading
<b>Distortion Performance (DTO), minimum</b>	DTO—Discrete Third Order; 13 MHz and 19 MHz, 55 dBmV per carrier loading
<b>Group Delay, channel 2–4, maximum</b>	Channel 2 (3.58 MHz Span)
<b>Group Delay, channel 5–6, maximum</b>	Channel 4–6 (3.58 MHz Span)
<b>Noise Figure, maximum</b>	Total amplifier contribution

# SVAPA15V300



HomeConnect® Power Adapter for Subscriber Amplifiers, ac/dc, 15 V, 300 mA

## Product Classification

<b>Product Type</b>	RF amplifier power adapter
<b>Product Brand</b>	HomeConnect®

## General Specifications

<b>Plug Type</b>	Type A
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## Electrical Specifications

<b>Input Current, maximum</b>	60 mA
<b>Input Voltage @ Voltage at Frequency</b>	120 Vac @ 60 Hz
<b>Output Voltage Tolerance, no load</b>	±5%
<b>Output Voltage, no load</b>	20.3 Vdc
<b>Operating Current at Voltage</b>	300 mA @ 15 Vdc

## Environmental Specifications

<b>Safety Standard</b>	c-UL-us
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## Packaging and Weights

<b>Height, packed</b>	330.2 mm   13 in
<b>Width, packed</b>	304.8 mm   12 in
<b>Length, packed</b>	381 mm   15 in
<b>Carton Quantity</b>	80
<b>Weight, gross</b>	19.051 kg   42 lb

## Regulatory Compliance/Certifications

Agency	Classification
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# SVAPA15V300

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ISO 9001:2015

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