

# SVA154PRS



HomeConnect® Subscriber Amplifier, 15 dB, four ports

**OBSOLETE**

## Product Classification

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

## General Specifications

<b>Device Type</b>	Subscriber amplifier
<b>Application</b>	Indoor   Outdoor
<b>Video Ports, quantity</b>	4
<b>Video Standard</b>	NTSC

## Electrical Specifications

<b>Distortion Performance (CCN), minimum</b>	70 -dBc
<b>Distortion Performance (CSO), minimum</b>	62 -dBc
<b>Distortion Performance (CTB), minimum</b>	75 -dBc
<b>Distortion Performance (X-Mod), minimum</b>	75 -dB
<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>	200 mA @ 12 Vdc
<b>Shielding Effectiveness, minimum</b>	100 dB

# SVA154PRS

## Surge Capability Test Method

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

## 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, output to output, minimum

25 dB @ 5–1002 MHz

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

55 dB @ 5–1002 MHz

## Electrical Specifications, Rx (Uplink)

### Flatness

±0.5 dB

### Insertion Loss, maximum

8 dB

### Return Loss, minimum

20 dB

### Operating Frequency Band

5 – 42 MHz

## Electrical Specifications, Tx (Downlink)

### Flatness

±1.0 dB

### Gain

7.5 dB

### Noise Figure, maximum

4.5 dB

### Operating Frequency Band

53 – 1002 MHz

### Return Loss, minimum

20 dB

## Environmental Specifications

### Operating Temperature

-40 °C to +60 °C (-40 °F to +140 °F)

### Safety Standard

CE | SCTE

## Packaging and Weights

### Height, packed

190.5 mm | 7.5 in

### Width, packed

247.65 mm | 9.75 in

### Length, packed

508 mm | 20 in

### Carton Quantity

20

### Included

Power adapter

### Weight, gross

9.072 kg | 20 lb

## Regulatory Compliance/Certifications

# SVA154PRS

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## Agency

ISO 9001:2015



## Classification

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

## Included Products

SVAPA12V200 – HomeConnect® Power Adapter for Subscriber Amplifiers, ac/dc, 12 V, 200 mA

## \* Footnotes

<b>Distortion Performance (CCN), minimum</b>	CCN—Composite Carrier to Noise; 77 analog, 110 digital—256 QAM channel loading
<b>Distortion Performance (CSO), minimum</b>	CSO—Composite Second Order; 77 analog, 110 digital—256 QAM channel loading
<b>Distortion Performance (CTB), minimum</b>	CTB—Composite Triple Beat; 77 analog, 110 digital—256 QAM channel loading
<b>Distortion Performance (X-Mod), minimum</b>	X-Mod—Cross Modulation; 77 analog, 110 digital—256 QAM channel 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

# SVAPA12V200



HomeConnect® Power Adapter for Subscriber Amplifiers, ac/dc, 12 V, 200 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>	50 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>	20.2 Vdc
<b>Operating Current at Voltage</b>	200 mA @ 12 Vdc

## Environmental Specifications

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

<b>Height, packed</b>	292.1 mm   11.5 in
<b>Width, packed</b>	279.4 mm   11 in
<b>Length, packed</b>	444.5 mm   17.5 in
<b>Carton Quantity</b>	100
<b>Weight, gross</b>	18.144 kg   40 lb

## Regulatory Compliance/Certifications

Agency	Classification
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# SVAPA12V200

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ISO 9001:2015

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