

SVAM184PRSI



HomeConnect® MoCA-enhanced Subscriber Amplifier, 18 dB forward, four ports, with power inserter

Product Classification

Brand	HomeConnect®
Product Type	RF amplifier

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Safety Standard	CE SCTE

Electrical Specifications Rx (Uplink)

Operating Frequency Band	5 – 42 MHz
Insertion Loss, maximum	8.00 dB
Flatness	±1.0 dB
Return Loss at Frequency Band, minimum	18.0 dB @ 5–15 MHz 25.0 dB @ 15–40 MHz 18.0 dB @ 40–42 MHz

Electrical Specifications Tx (Downlink)

Operating Frequency Band	54 – 1002 MHz
Gain at Frequency Band	7.5 dB @ 1002 MHz
Flatness	±1.0 dB
Tilt Across Frequency Band, video ports, typical	4.00 dB
Return Loss, minimum	18.00 dB
Noise Figure, maximum	5.00 dB

Electrical Specifications MoCA

Operating Frequency Band	1125 – 1525 MHz
Insertion Loss, output to output, maximum	30.00 dB

Electrical Specifications Isolation

Isolation at Frequency Band, output to input, minimum	36 dB @ 1125–1525 MHz
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Isolation at Frequency Band, output to output, minimum	25 dB @ 40–42 MHz 25 dB @ 5–15 MHz 25 dB @ 54–1002 MHz 28 dB @ 15–40 MHz
Isolation at Frequency Band, power port to RF output, minimum	55 dB @ 5–1002 MHz

Electrical Specifications

Impedance	75 ohm
Operating Current at Voltage	200 mA @ 12 Vdc
Distortion Performance (CTB), minimum	74 -dBc
Distortion Performance (CSO), minimum	62 -dBc
Distortion Performance (X-Mod), minimum	74 -dB
Hum Modulation, minimum	-75.00 dB
Group Delay, reverse, maximum	20 ns
Group Delay, channel 2–4, maximum	30 ns
Group Delay, channel 5–6, maximum	5 ns
Shielding Effectiveness, minimum	100 dB
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 all ports
Surge Capability Waveform	1.2/50 voltage and 8/20 current combination waveform 100 KHz ring wave waveform

General Specifications

Device Type	MoCA-enhanced subscriber amplifier
Video Ports, quantity	4
Application	Indoor Outdoor
Includes	Power adapter Power inserter
Video Standard	NTSC

Packed Dimensions

Carton Quantity	20
Height	177.80 mm 7.00 in
Length	622.30 mm 24.50 in
Width	279.40 mm 11.00 in
Shipping Weight	12.02 kg 26.50 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Distortion Performance (CSO), minimum	CSO—Composite Second Order; 77 analog, 110 digital—256 QAM channel loading
Distortion Performance (CTB), minimum	CTB—Composite Triple Beat; 77 analog, 110 digital—256 QAM channel loading
Distortion Performance (X-Mod), minimum	X-Mod—Cross Modulation; 77 analog, 110 digital—256 QAM channel loading
Group Delay, channel 2–4, maximum	Channel 2 (3.58 MHz Span)
Group Delay, channel 5–6, maximum	Channel 4–6 (3.58 MHz Span)
Noise Figure, maximum	Total amplifier contribution