

SVA15PRSMI



HomeConnect® Mini Subscriber Amplifier, 15 dB, one port, with power inserter

Product Classification

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|---------------------|--------------|
| Brand | HomeConnect® |
| Product Type | RF amplifier |

Environmental Specifications

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

Electrical Specifications Rx (Uplink)

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|---------------------------------|------------|
| Operating Frequency Band | 5 – 42 MHz |
| Insertion Loss, maximum | 1.20 dB |
| Flatness | ±0.5 dB |
| Return Loss, minimum | 20.00 dB |

Electrical Specifications Tx (Downlink)

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|---------------------------------|---------------|
| Operating Frequency Band | 53 – 1002 MHz |
| Gain | 15.00 dB |
| Flatness | ±0.75 dB |
| Return Loss, minimum | 20.00 dB |
| Noise Figure, maximum | 4.00 dB |

Electrical Specifications Isolation

Isolation at Frequency Band, power port to RF output, minimum 55 dB @ 5–1002 MHz

Electrical Specifications

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|--|-----------------|
| Impedance | 75 ohm |
| Operating Current at Voltage | 200 mA @ 12 Vdc |
| Distortion Performance (CTB), minimum | 80 -dBc |

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| Distortion Performance (CSO), minimum | 65 -dBc |
| Distortion Performance (X-Mod), minimum | 75 -dB |
| Distortion Performance (CCN), minimum | 70 -dBc |
| Hum Modulation, minimum | -75.00 dB |
| Group Delay, reverse, maximum | 20 ns |
| Group Delay, channel 2–4, maximum | 20 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 input port |
| Surge Capability Waveform | 1.2/50 voltage and 8/20 current combination waveform 100 KHz ring wave waveform |

General Specifications

| | |
|------------------------------|--------------------------------|
| Device Type | Subscriber amplifier |
| Video Ports, quantity | 1 |
| Application | Indoor Outdoor |
| Includes | Power adapter Power inserter |
| Video Standard | NTSC |

Packed Dimensions

| | |
|------------------------|----------------------|
| Carton Quantity | 20 |
| Height | 190.50 mm 7.50 in |
| Length | 469.90 mm 18.50 in |
| Width | 228.60 mm 9.00 in |
| Shipping Weight | 8.39 kg 18.50 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Designed, manufactured and/or distributed under this quality management system |
| ISO 9001:2015 | |



Included Products

- CSHMPI — HomeConnect® Power Inserter for Subscriber Amplifiers with High Isolation
- CSMPI — HomeConnect® Power Inserter for Subscriber Amplifiers

CSHMPIE — HomeConnect® Power Inserter for Subscriber Amplifiers with High Isolation

* Footnotes

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| Distortion Performance (CCN), minimum | CCN—Composite Carrier to Noise; 77 analog, 110 digital—256 QAM channel loading |
| 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 |