



## Mini Passive VoIP Amplifiers

With the growing demand for VoIP (Voice over Internet Protocol) compatible network components to facilitate services such as triple play lifeline telephony services, many cable operators need the convenience of having a VoIP enhanced amplifier available for their next-generation customers. The Commscope Mini Passive VoIP Amplifier meets this demand with our SVA152PRSVPM and SVA154PRSVPM products. This amplifier is designed to preserve VoIP connectivity during brown outs, allowing continued access to lifeline telephony services during emergency situations within the home CATV network, while supporting the technologies needed to drive today's high-speed voice, video and data networks. This product meets or exceeds all SCTE requirements as well as the harsh demands of an outside plant environment.

	SVA152PRSVPM	SVA154PRSVPM	SVA15158PRSVPM
<b>Number of Video Ports</b>	1	3	7
<b>Number of VoIP Ports</b>	1	1	1
<b>Forward Gain Video Ports (± 1dB)</b>	10 dB	5 dB	1 dB
<b>Return Path Insertion Loss, Video Ports</b>	5 dB	12.5 dB	2 dB
<b>Forward / Return Path, Insertion Loss VoIP Port</b>	4 dB	4 dB	4 dB

### Features

- Non-interruptible Passive VoIP port preserves lifeline telephone service in the event of a power failure
- Available in 42/53 (NTSC) mid split
- 6 kV protection (IEEE C-62-41-B3 on input, A3 on output)
- Flat-end brass "F" ports with four-sided center conductor contact
- LED Power Indicator
- Aluminum die-cast housing with baked enamel finish
- Neoprene moisture and mesh RFI gasket
- Amplifier can be powered through a designated output port with optional power inserter
- Available with 2, 4 and 8 Output Configuration, (8 Output unit is not in a Mini Housing)
- ISO Certified Production Facility

### Electrical Specifications

**Bandwidth** 5-42 MHz / 53-1002 MHz

**Response Flatness** Forward ± 1.0 dB  
Reverse ± 1.0 dB

#### Noise Figure (device noise contribution)

5.5 dB @1002 MHz, 2 output  
5.5 dB @1002 MHz, 4 output  
5.5 dB @1002 MHz, 8 output

**Return Loss** Forward 22 dB  
Reverse 25 dB  
VoIP 25 dB

#### Isolation

Power / RF Out 60 dB (5-1002 MHz)  
Out / Out 22 dB (53-1002 MHz)  
25 dB (5-42 MHz)

#### Distortion Performance

77 analog, 124 digital -256 QAM ch. loading  
**C/N** 70 dB  
**CSO** 65 dB  
**CTB** 75 dB  
**X-Mod** 75 dB

#### Group Delay

20 nSec @ Ch. 2 (3.58 MHz span)  
5 nSec @ Ch. 6+ (3.58 MHz span)

**Hum Modulation** -75 dB

**RFI** 100 dB

#### Powering Requirements

12 VDC / 200 mA (2 / 4 output)  
13 VDC / 300 mA (8 output)

#### AC/DC Power Supply

UL Certified, Surge Protected