

## 1x8 CATV MODULES

### APPLICATION

Leviton's 1x8 CATV modules are designed to distribute incoming RF signals (Cable TV, Antenna, or other modulated sources) to eight locations throughout the home or office on coaxial cable. Variable attenuator enables precise amplification for fine-tuning picture quality (-5 to +15 dB) of incoming signal. The 1x8 CATV modules incorporate state-of-the-art bi-directional signaling to support advanced interactive applications such as cable modem and cable box communications. The module features one cable input and eight isolated television outputs.

### FEATURES AND BENEFITS

- Digital CATV compatible.
- High quality, professional-grade product.
- Distributes signals such as: CATV, antenna, VCR/DVD, Camera/CCTV signals on coaxial cable throughout the home or office.
- Built-in amplifier easily adjusts to compensate for variations in incoming signal strength (-5 to +15dB).
- Provides bi-directional signal paths to support cable modem or cable box communications.
- Installs easily into Leviton's Structured Media™ enclosures.
- Small circuit board design set at a 90° angle for easy installation.
- Includes termination caps

### PHYSICAL SPECIFICATIONS

Dimensions: 3.50" H x 6.50" W x 3.20" D  
Impedance: 75 Ohm  
Connector Type: F-Type (1 input, eight outputs)  
47693-ESM: Nickel Plated  
47693-GSM: Gold Plated  
Power Input: 12VDC 1A, adapter supplied  
Frequency: 52-1000 MHz



### TYPICAL SPECIFICATIONS

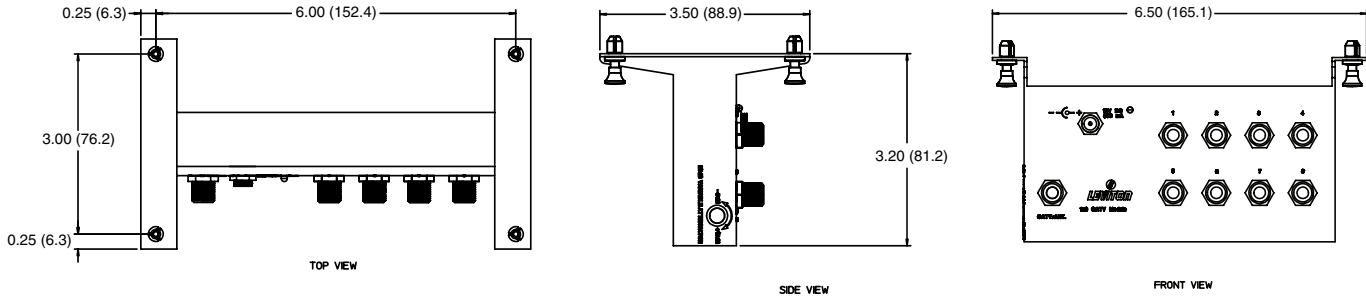
The 1 GHz 1x8 CATV Module shall distribute RF signals over coaxial cable to eight locations and contain a variable attenuator with -5 to +15dB amplification. It shall feature one cable input and eight isolated television outputs. The CATV module shall support bi-directional signal paths for cable modem or cable box communications. It shall also come in a small circuit board design with a 90° angle, an impedance of 75 Ohm, F-Type connectors and come with a 12VDC 1A power supply. The manufacturer shall provide a two-year limited product warranty.

1x8 CATV Module 47693-ESM, 47693-GSM

# Product Specifications

# 1x8 CATV MODULES

## DIMENSIONAL DRAWINGS



## AGENCY STANDARDS & COMPLIANCE

Meets all applicable standards.

## WARRANTY INFORMATION

Two-year limited product warranty

## 100-47693-ESM/GSM

Parameter	Bandwidth	Forward Path	Return Path
Band	--	52-1000Mhz	5-42Mhz
Gain (Loss)	--	4dB	(-0.5dB)
Flatness	--	±0.75dB	±1.5dB
Return Loss – Input	--	22.0dB	21.0dB
Return Loss – Output	--	22.0dB	21.0dB
Port Isolation – Output	--	25.0dB	27.0dB
Group Delay (span 3.58Mhz)	54-60Mhz	15ns	--
	61-1000Mhz	7ns	--
Group Delay (span 1Mhz)	5-42 MHz	--	17ns
	10-40 MHz	--	10ns

Power to RF Input Isolation	5-1000 MHz	100dB (min)
RFI Isolation	5-1000 MHz	-110dBc
Noise Figure	5-1000 MHz	3.5dB
Distortions*	CSO	-65dBc
	CTB	-74dBc
	Xmod	-75dBc

\* Input level at +10dBmV flat 77 channels & 200Mhz noise for QAM test from 550 to 790Mhz  
 Operating Temperature: -40°C to +60 °C

## ORDERING INFORMATION

Description	Cat. No.
1x8 CATV Modue, 1 GHz Nickel Plated Connectors	47693-ESM
1x8 CATV Module, 1 GHz Gold Plated Connectors	47693-GSM

### Leviton Manufacturing Co., Inc.

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Note: Features and specifications subject to change  
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