



## 3x8 Enhanced RF Distribution Module

1 and 2 GHz Versions

### APPLICATION

Run incoming coaxial cable and modulated sources to this versatile RF module. Amplify a variety of incoming RF signals for picture-perfect reception and distribute to eight locations throughout the home or office. Variable attenuator enables precise amplification for fine-tuning picture quality (-5 to +15dB) of incoming signals. The 3x8 Enhanced RF Distribution Module incorporates state-of-the-art bi-directional signaling to support advanced interactive applications such as cable modem, cable box communications and standard inputs like CATV, antennas and modulated inputs such as VCRs, DVD and security camera/CCTV. The module features one cable input, two auxiliary inputs and eight isolated television outputs that do not require termination caps.

### STANDARDS COMPLIANCE

Meets all applicable standards: cULus pending.

### PHYSICAL SPECIFICATIONS

Dimensions: 3.55" H x 6.57" W x 3.29" D  
Impedance: 75 Ohm  
Connector Type: F-Type (three inputs, eight outputs)  
Power Input: 12VDC 500 mA, adapter supplied  
Frequency: 1 or 2 GHz

### DESIGN CONSIDERATIONS

- 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.
- Provides 1 CATV/ANT input and two auxiliary inputs.
- The outlet ports are isolated and do not require termination caps.
- Installs easily into Leviton's Structured Media™ enclosures.
- Small circuit board design set at a 30° angle for easy installation.
- 2 GHz version allows broader bandwidth for future expansion.
- External heatsink extends life of product.

### WARRANTY INFORMATION

- Two-year limited product warranty.

See ELECTRONIC FILES for CAD files (.DXF, .DWG, MS-DOS.EPS) on disk



For ELECTRONIC Typical Specs see (.TXT) file on disk.

### TYPICAL SPECIFICATION

The 1 or 2 GHz 3x8 Enhanced RF Distribution Module shall distribute incoming RF signals to eight locations. It shall have a variable attenuator which adjusts from -5 to +15dB. The RF Distribution Module shall support bi-directional signal paths for cable modem or cable box communications. It shall feature one cable input, two auxiliary inputs and eight isolated television outputs that do not require termination caps. The module shall come with a 12VDC, 500 mA adapter, external heatsink and a small circuit board design set at a 30° angle. The manufacturer shall provide a two-year limited product warranty.

3x8 Enhanced RF Distribution Module



For Applications Engineering Support – Call 1-800-824-3005.  
Spec sheets and updates are also available at [www.levitonvoicedata.com](http://www.levitonvoicedata.com).

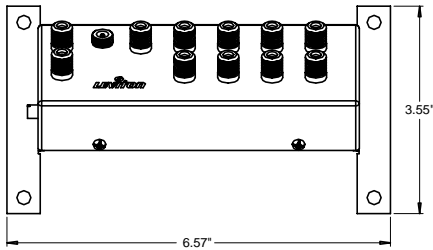


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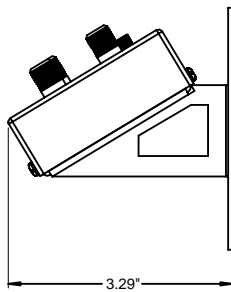
Part Number  
47690-3BY 47690-G3Y  
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## DIMENSIONAL LINE ART

See ELECTRONIC FILES for CAD images  
(.DXF, .DWG, MS-DOS.EPS)



Front View



Side View

## PART NUMBERS

Description	Part No.
3x8 Enhanced RF Distribution Module, 1 GHz	47690-3BY
3x8 Enhanced RF Distribution Module, 2 GHz	47690-G3Y

## 3x8 Enhanced RF Distribution Module, 1 & 2 GHz

### Gain (dB)

	Forward		Reverse
<b>1 GHz</b>			
	54-1000 MHz	1.0-1.4 GHz	10-40 MHz
CATV	+15+/-2*	+9+/-5	0+/-2
AUX 1	+12+/-2*	+6+/-5	N/A
AUX 2	+12+/-2*	+6+/-5	N/A

	Forward		Reverse
<b>2 GHz</b>			
	1.0-2.0 GHz		10-40 MHz
CATV	+4 +/-6**		0+/-2
AUX 1	+1+/-6**		N/A
AUX 2	+1+/-6**		N/A

### Return Loss (dB)

	Forward	Reverse (Any Output)
<b>1 GHz</b>		
CATV	11 Typical	12 Typical
AUX 1	11 Typical	N/A
AUX 2	11 Typical	N/A

	Forward	Reverse
<b>2 GHz</b>		
CATV	11 Typical	12 Typical
AUX 1	11 Typical	N/A
AUX 2	11 Typical	N/A

### Isolation (dB)

	Aux	Cable Aux	Out-Out
<b>1 GHz</b>	18	30	25
<b>2 GHz</b>	18	30	25

\*1 GHz: Tilt specification for all units is less than +/- 3 dB to 1 GHz  
\*\*2 GHz: Tilt specification for all units is less than +/- 5 dB to 2 GHz



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