Features and Benefits



MMRA 1-15EQ

MoCA Equalized Residential Amplifier

With MoCA (Multimedia over Coax Alliance) having widespread deployment for high speed in-home networking, this amplifier has enhanced performance in the MoCA band to optimize the data rates for video sharing, multi-room DVR service, video conferencing and other MoCA applications. This amplifier utilizes the Antronix patented CamPort®. This auto-seizing F-port ensures maximum contact area and reliability for multimedia applications. The compact amplifier has an all-ports-down configuration which allows for ease of installation in a NID enclosure. The integrated MoCA point of entry filter prevents MoCA signals from interfering with an adjacent subscriber.

MoCA Enhanced

Optimized RF performance in the MoCA band ensures maximum data rates for MoCA enabled devices. Integrated MoCA point of entry filter prevents MoCA.

CamPort® Auto-Seizing F-port

Patented auto-seizing brass F-port features a "Cam Activated Mechanism" to provide full contact pressure (> 2000 grams) on the center conductor for maximum reliability.

• Internal Cable Equalizer

An internal cable equalizer provides 4.5 dB of tilt compensation associated with standard cable loss.

All-Ports-Down Configuration for NID Enclosures

The all ports facing down configuration provides clean wiring within a NID enclosure.

• 6 kV Combination Wave Surge Protection

Unique 6 kV surge protection on all RF ports without the use of arc gaps which may cause high impulse noise during discharge.

Powder Coated Aluminum Housing

Provides the most corrosion resistant protection against salt fog and rust.

Optional Power Inserter for Remote Powering

The amplifier can be powered remotely with a dual isolation compartment power inserter for high AC to RF isolation to prevent ingress.

PTC Short-Circuit Protected UL Listed Adaptor

Self-resetting circuit provides safe protection against short-circuits to minimize maintenance costs.





Electrical Specifications MMRA1-15EQ

Frequency (MHz)	Specifications
54-1002	
54	+10.5
1002	+15.0
54-1002	4.5
54-1002	18
54-1002	4
Ch. 2	30
Ch. 3	10
CH. 4 & up	5
	-75
	-62
	-74
	-80
Frequency (MHz)	Specifications
5-42	0±1.5
5-15	18
40-42	
15-40	25
5.0-6.5	20
6.5-40	10
40-42	30
Frequency (MHz)	Specifications
1125-1525	36
1125-1525	16
	54-1002 54 1002 54-1002 54-1002 Ch. 2 Ch. 3 CH. 4 & up Frequency (MHz) 5-42 5-15 40-42 15-40 5.0-6.5 6.5-40 40-42 Frequency (MHz)

Notes:

 +12 dBmV flat input, 79 analog channels from 55 MHz to 550 MHz. Digital channels from 550 MHz to 1002 MHz at 6 dB below the analog channels.



Specifications MMRA1-15EQ

General	
Nominal Impedance	75 Ω
F-connector Type	ANSI/SCTE 01 Brass Compliant Sealed CamPort®
Power Adaptor	12 VDC/200 mA output, UL, PTC short-circuit protected
Dimensions/Weight	3.4" W x 2.6" H x 0.8" D/0.26 lb.
Environmental	
Pressure Seal	15 psi
Surge Withstand	6 kV/3 kA Combo Wave (IEEE C62.41-1991 Cat. B3) on all Ports 6 kV/200 A Ring Wave (IEEE C62.41-1991 Cat. A3) on all Ports
RFI Screening Effectiveness	-100 dB
Operating Temperature	-40 °C to +60 °C
Corrosion Resistance	Meets ANSI/SCTE Specification

Ordering Guide

MMRA1-15EQ/AC	1 Output Amplifier. AC Power Adaptor Included
ARPI-2000	Optional Power Inserter for Remote Powering
ARAC-12N	AC Power Adaptor, 120 VAC/60 Hz Input, 12 VDC Output, 200 mA

