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MINECOM

A division of TR Corporation

MLA AMPLIFIER SERIES

- DRIVE-BY DIAGNOSTICS
- AGC (AUTOMATIC GAIN CONTROL)
- HIGH NOISE IMMUNITY
- VOICE, DATA CAPABLE
- SURFACE MOUNT COMPONENTS
- IP66/NEMA4X ENCLOSURE

DESCRIPTION

MLA Line Amplifier series is capable of amplifying Voice - Data signals (not video) and is packaged in an IP66/NEMA4X heavy duty enclosure. The amplifier is powered from the leaky feeder cable; no special tools are required to splice it into the leaky feeder cable. The MLA incorporates 2 separate amplifiers (full Duplex), one providing the Down-Link or forward path, the other the Up-Link or reverse path back to the Head End. AGC (Automatic Gain Control) circuits are used to overcome signal level changes brought about by the number of channels in use at any one time, as well as over coming variances in the distance between amplifiers.

The MLA line amplifier also offers Drive-By Diagnostics®, in the form of 4 high intensity LED's, which indicate the current condition of the amplifier. Simply by walking or driving past the amplifier you can determine, without opening the cover, that voltage is present, both amplifiers are operational and whether the forward or reverse AGC circuits are operational. The amplifier was specifically designed for the transmission of high speed Data, it utilises four filters whereas some manufacturers only offer 2 filters. The MLA amplifier offers a high level of sideband immunity, as well as a high level of immunity from external noise. The MLA is not designed to pass Video signals, nor is it possible to add this feature at a later date.



SPECIFICATIONS

Frequency:	VHF & UHF
Gain:	350m version – 16dB 500m version – 22dB
Connection:	Brass Screw terminal and Saddle
Impedance:	50 or 75 ohm versions
Through Current Capacity:	1.5 amps Max
Operating Voltage:	12, 24, 48 volt versions
Current Drain:	125mA @12VDC
Enclosure:	IP66/NEMA4X heavy duty enclosure c/w IP66 brass cable glands
Weight & Dimensions:	1.2Kgs – 190(w) x 60(d) x 75(h) mm