

6 Joseph Street
Blackburn North 3130
AUSTRALIA
P +61 3 9896 3000
F +61 3 9896 3099
E sales@minecom.com

www.minecom.com



MINECOM

A division of TR Corporation

LAV AMPLIFIER SERIES

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

DESCRIPTION

LAV Line Amplifier series is capable of amplifying Voice - Data - Video signals 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 LAV incorporates 3 separate amplifiers (full Duplex), one providing the Voice/data Down-Link or forward path, the second provides the Voice/data Up-Link or reverse path back to the Head End, the third provides the Video Up-Link 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 LAV 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, all amplifiers are operational and whether the forward or reverse AGC circuits are operational.

As an option, a PC based diagnostics module can be added, allowing the condition of the amplifier to be displayed on a PC. The amplifier was specifically designed for the transmission of high speed Data, it utilises four filters whereas some manufacturers only offer 2 filters. The LAV amplifier offers a high level of sideband immunity, as well as a high level of immunity from external noise.



SPECIFICATIONS

Frequency Voice/Data:	VHF & UHF
Frequency Video:	20 to 120Mhz (NTSC or PAL standards)
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
Voltage & Current Drain:	12, 24, 48 volt versions - 210mA @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