

LAV AMPLIFIER SERIES

- DRIVE-BY DIAGNOSTICS
- AGU (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 reserve path back to the Head End, the third provides the Video Up-Link back to the Head End. AGU (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 reserve AGU circuits are operational.

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

