

The LIA002 is used to improve received system performance across the band 20-70MHz. By using a low noise amplifier overall system noise figure is improved.

An optional filter is available which provides rejection of 30dB to the 88-108MHz band and 30dB the band below 15MHz.

The LIA002 is designed to fit to Stancoms 2U high mounting panel for LIAxxx amplifiers

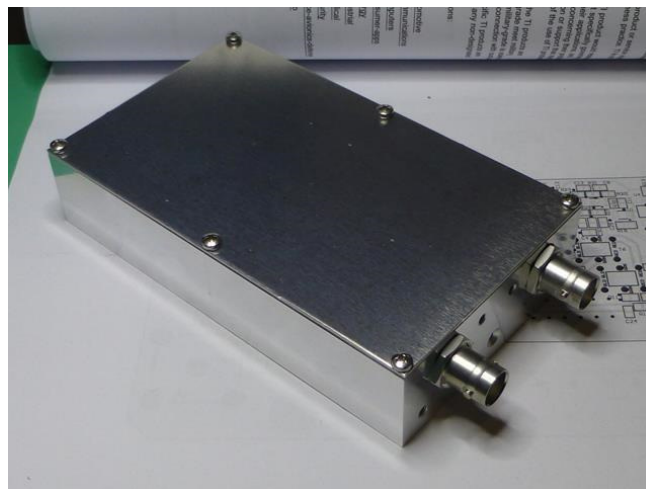


Figure 1 – LIA002

## Specification:

Parameter (Masthead)	Limits
Frequency Range	20 – 70MHz
Gain	> 20dB
Gain Ripple	+/-1dB
Noise Figure with Filter	<2.9dB. (Typ. 2.1dB)
TOIP	>+25dBm
Input return loss	< -14dB. (VSWR better than 1.5:1)
Output Return Loss	< -14dB. (VSWR better than 1.5:1)
Connector loss	< 0.2dB
Input Impedance	50Ω
Output Impedance	50Ω
Connectors	BNC Female.
Voltage	15V – 24V.
Current	130mA Typ.
Lightning Protection (Input)	2kV 1.2uS rise time, 50uS duration. (IEC61000-4-5 Level 3)

## Mechanical:

Case Size.	132 x 76 x 28mm (Excluding Connectors)
Weight:	0.5kg
Material	Aluminium Main housing with aluminium cover.

## Environmental:

Temperature:	0 to +50 °C
Weatherproofing	Indoor Use Only