

The MHA002 is used to improve received system performance across the band 20-70MHz. By using a Masthead amplifier overall system noise figure is improved. The MHA can be used with Stancom's range of Bias T such as the SBT003A-1-LF and PSU004A LN PSU.

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



Figure 1 – MHA002A

## 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
Output Return Loss	< -14dB.
Input Impedance	50Ω
Output Impedance	50Ω
Connectors	N type Female. (Optionally BNC can be fitted)
Voltage	10 – 24V.
Current	130mA Typ.

## Mechanical:

Case Size.	125 x 85 x 40mm (Excluding Connectors)
Weight:	0.7kg
Material	Aluminium Main housing with screen and polycarbonate cover.

## Environmental:

Temperature:	-40 to +65 °C
Weatherproofing	Unit is waterproof to IP65.

Includes mounting kit for 50-150mm Pole