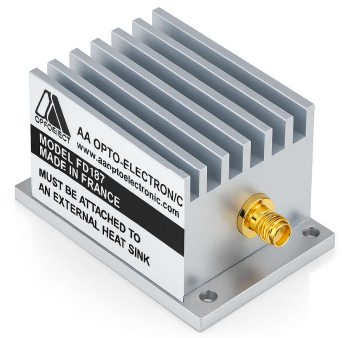


## LOW NOISE (NF) Power Amplifiers 2.5W

# AMPB-B-34-10.500-LN01



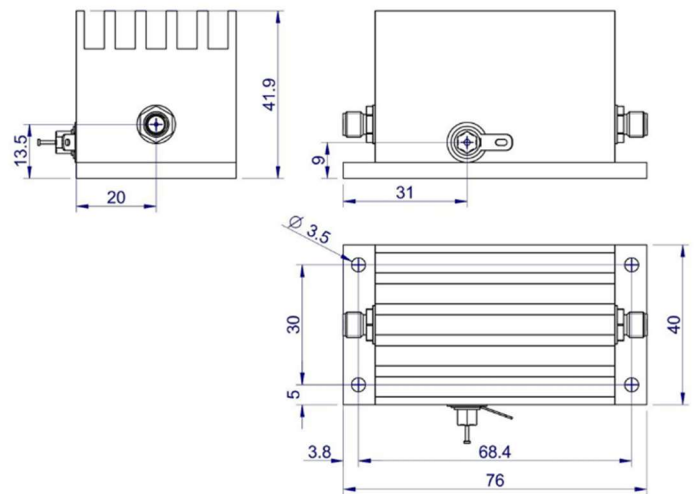
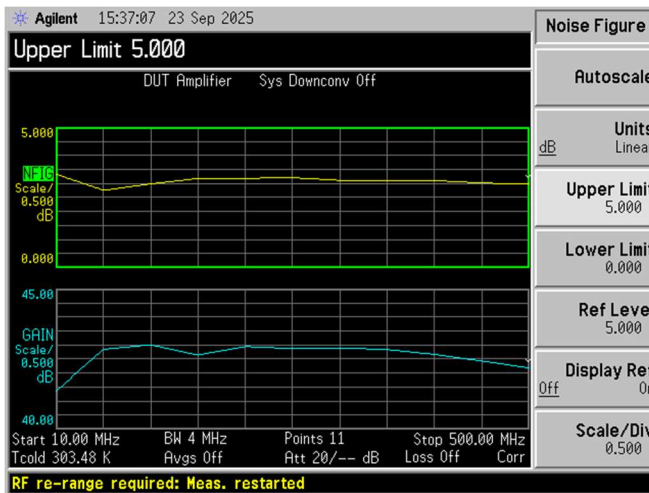
### Product Overview

These Power Amplifiers are made for acousto-optic applications for which Noise Figure is a concern. Designed to be low Noise, the frequency range covers 10MHz up to 500 MHz.

In association with a VCO driver or a DDS driver, they will provide the necessary RF power to drive an acousto-optic device up to 2.5 W. They will be used particularly for quantum computing and low noise applications.

### FEATURES

- Large Band
- Suitable for Low Noise AO applications
- RoHS



### SPECIFICATIONS (T=25°C)

Parameter	AMPB-B-34-10.500-LN01
Frequency range	10 to 500 MHz
Gain	Nom 42 dB
Gain Flatness	Nom +/-0.5dB
Noise Figure	Nom 3dB
Output RF Power (@1dB compression)	≥ 34 dBm
Input / Output Impedance	50 Ω
Power Supply	24 +/- 0.5 VDC
Max required Current	Typ 520 mA
Class	AB
VSWR	< 1.5/1
Input / Output Connector	SMA / SMA
Size / Weight	76 X40 X 42 mm <sup>3</sup> / 220 g
Heat Exchange	Conduction through baseplate
Operating Temperature	-10 to 50 °C (max Tcase 55°C)
Storage Temperature	-40 to +70 °C Non condensing