

AMPB-B-30-10.500-LP

AMPB-B-34-10.500-LP

AMPB-B-36-10.500-LP

Product Overview

These Power Amplifiers are made for acousto-optic applications, covering frequency ranges 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 1, 2.5 or 3.5 W.

FEATURES

- Large Band
- Suitable for AO applications
- RoHS
- Cooling through baseplate



SPECIFICATIONS (T=25°C)

Parameter	AMPB-B-30-10.500-LP	AMPB-B-34-10.500-LP	AMPB-B-36-10.500-LP
Frequency range	10 to 500 MHz		
Gain	Nom 34-38-42 dB		
Gain Flatness	Nom +/-0.5dB		
Noise Figure	Nom 5dB		
Output RF Power (@1dB compression)	≥ 30 dBm	≥ 34 dBm	≥ 35.5 dBm
Input / Output Impedance	50 Ω		
Power Supply	24 +/- 0.5 VDC		
Max required Current	330 mA	490 mA	560 mA
Class	AB		
VSWR	<1.5/1		
Input / Output Connector	SMA / SMA		
Size / Weight	76 X40 X 23.1 mm ³ /120 g		
Heat Exchange	Conduction through baseplate		
Operating Temperature	-10 to 50 °C (max Tcase 55°C)		
Storage Temperature	-40 to +70 °C Non condensing		

*Option 10-900MHz versions

*Option Rack 19", 1U, 110-230VAC, 8 channels

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OUTLINE DRAWING, mm

