

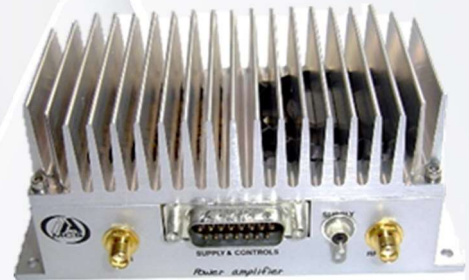
# AMPA-B-40xx – AMPA-B-43xx

## Product Overview

These Amplifiers are made for general purpose applications, covering frequency ranges up to 400 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 4, 10 or 15 W.

## FEATURES

- Large Band
- Heatsink + fan / version with no heatsink
- RoHS

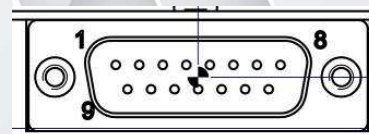


## SPECIFICATIONS (T=25°C)

Parameter	AMPA-B-40	AMPA-B-43
Frequency range	50 MHz to 150 MHz	50 MHz to 150 MHz
Gain	≥ 42 dB	≥ 44 dB
Gain Flatness	≤ +/- 1.5 dB, nom +/- 0.5 dB	
Noise Figure	nom 7 dB	nom 7 dB
Output RF Power (@1dB compression)	@ P1dB 55°C Vcc = 24 V ≥ 40 dBm	@ P1dB 55°C Vcc = 24 V ≥ 42 dBm (60-140 MHz)
Input / Output Impedance	50 Ω	
Power Supply	24 +/- 0.5 VDC	
Max required Current	2.5A	
Class	A	
Input / Output Connector	SMA Female / DB 15 male/ EMI filter	
Size / Weight	129 X 61 X 55 mm <sup>3</sup> /220 g (version with heatsink)	
Heat Exchange	Conduction through baseplate	
Operating Temperature	-10 to 50 °C (max Tcase 55°C)	
Storage Temperature	-40 to +70 °C Non condensing	

## PIN CONNECTIONS

Pin 9, 11, 13, 15 : Vcc  
 Pin 2, 4, 7, 10, 12, 14 : GND  
 Pin 3 : ON/OFF  
 Pin 1, 5, 6, 8 : NC



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## OUTLINE DRAWING, mm

