

AMPA-B-36 / AMPA-B-40 / AMPA-B-43

POWER AMPLIFIERS 4 W , 10 W and 20 W

DESCRIPTION

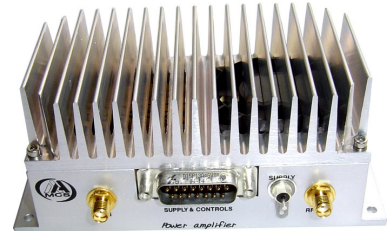
These amplifiers are made for general purpose applications, covering frequency ranges up to 210 MHz. In association with a VCO driver or a DDS driver, they will provide the necessary RF power to drive an acousto-optic device up **4, 10 or 20 watts**.

FEATURES

- LARGE BAND
- RoHS

APPLICATIONS

- ACOUSTO-OPTIC DRIVER
- INSTRUMENTATION



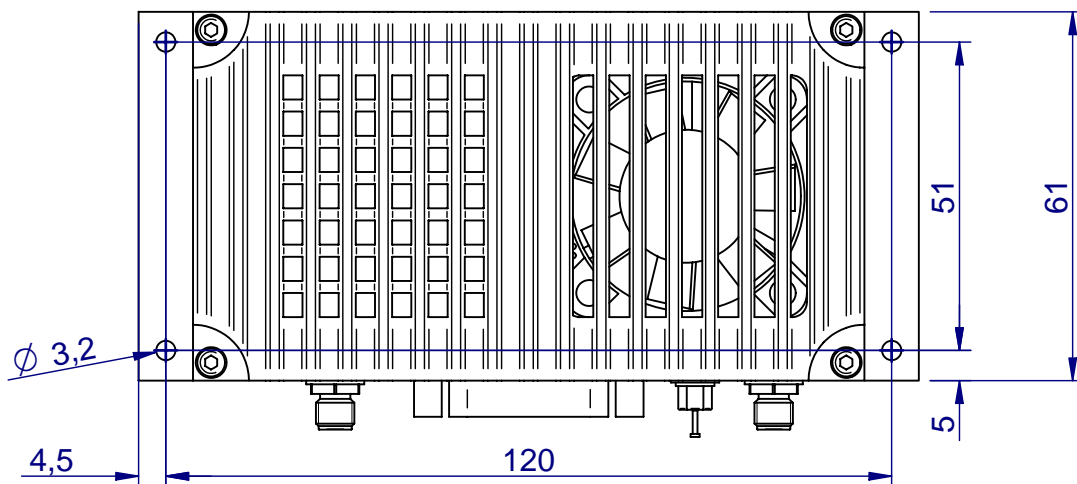
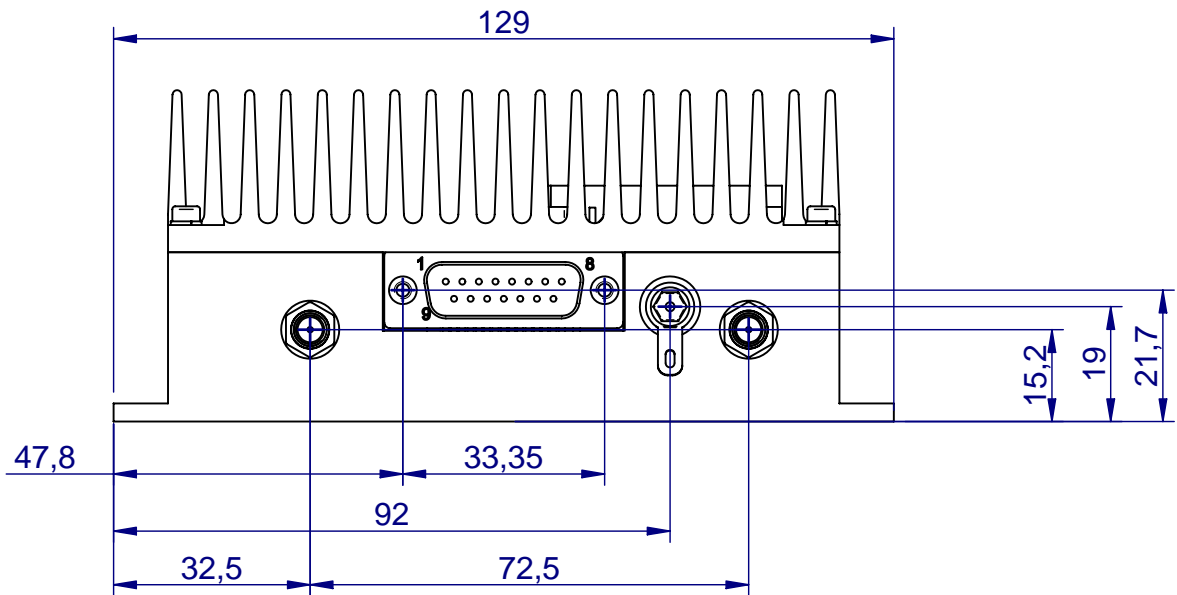
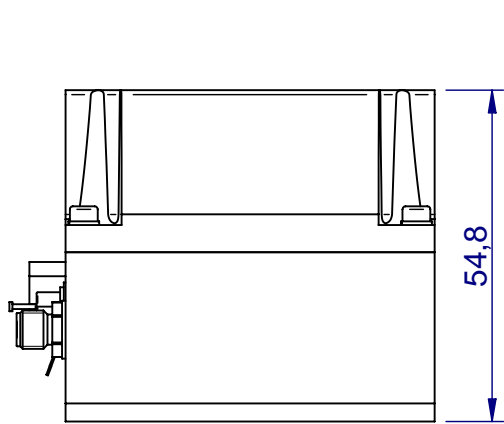
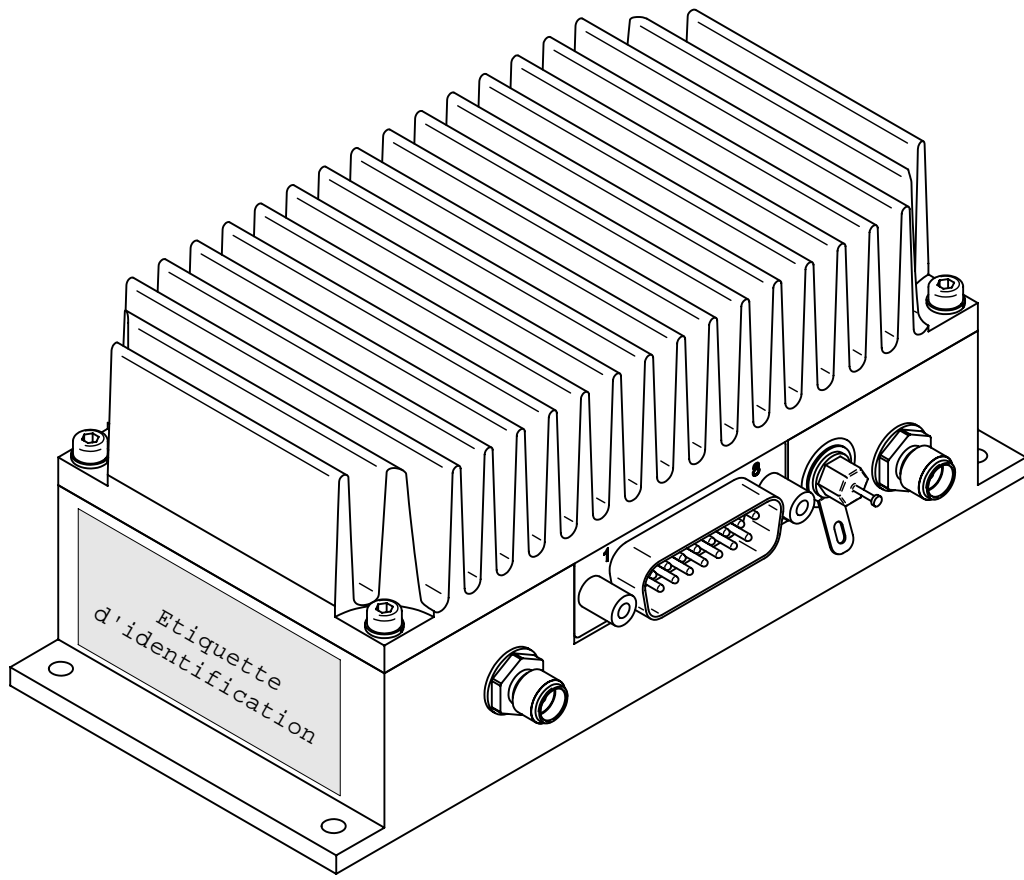
Parameter	Unit	AMPA-B-36 Version 4 Watt	AMPA-B-40 Version 10 Watts	AMPA-B-43 Version 20 Watts
Frequency range	MHz	20 - 210	20 - 210	20 - 210
Gain	dB	@ f ≤ 120MHz ≥ 40 dB @ f ≤ 180MHz ≥ 39 dB @ f ≤ 210 MHz ≥ 38 dB	≥ 42	≥ 45
Gain Flatness	dB	Nom +/-0.5 < +/-1.5	Nom +/-0.5 < +/-1.5	Nom +/-0.5 < +/-1.5
Noise Figure		nom 5	nom 7	nom 7
Output RF Power	dBm	@ P1dB 55°C Vcc=24V ≥ 36 (4 Watts)	@ P1dB 55°C Vcc=24V ≥ 40 (10 Watts)	@ P1dB 55°C Vcc=24V ≥ 42 (15W, @60-160MHz)
Input / Output impedance	Ω	50	50	50
Power supply	VDC	24 +/- 0.5 (0.95 A Max 1.05 A)	24 +/- 0.5 (2.1 A Max 2.3 A)	24 +/- 0.5 (2.1 A Max 2.7 A)
Operation Class		A	A	A
Input / Output Connector		SMA femelle/DB15 male/EMI filter	SMA femelle/DB15 male/EMI filter	SMA femelle/DB15 male/EMI filter
Size / Weight	mm ³ / g	129 x 61 x 55 / 220	129 x 61 x 55 / 220	129 x 61 x 55 / 220
Heat Exchange		Conduction through baseplate	Conduction through baseplate	Conduction through baseplate
Operating Temperature (Tcase, Non condensing)	°C	-10 ~ +55	-10 ~ +55	-10 ~ +55

Options / On request

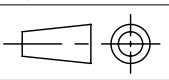

POWER SUPPLY	<input checked="" type="checkbox"/> 110-230 VAC
RF POWER	<input checked="" type="checkbox"/> up to 500 Watts
HOUSING	<input checked="" type="checkbox"/> Rack 19"

PIN Connections

2, 4, 7, 10, 12, 14 = **GND**
 9, 11, 13, 15 = **Vcc**
 3 = **On/Off**
 1, 5, 6, 8 = **NC**



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				<u>Dessiné par</u>		<u>Vérifié par</u>		Cotes après traitement sauf contre indications	Tolérances: ±0.1mm ∠ ±1° √ 3.2µm	
				Nom: Couthon S.						
				Date: 09/02/2007						
				Matière:						
				Traitement /Finition:						
				Titre: AMPA 4-20 W assemblage et vue d'ensemble						
0	Création	09/02/07	S.C	N° 1AMPME07002.0055				Ech:		
Ind.	Description	Date	Visa	Plan Vue d'ensemble				Page 1/1		