

# AB4 Driver/Amplifier

### Power Consumption

Power Input	+12VDC $\pm$ 5%
Maximum Motor Output	280 (70 for MM) Vrms
Power Consumption without Load	+12VDC/300 mA
Power Consumption with Maximum Load	+12VDC/3.5A
Input Voltage Range	$\pm$ 10V
Input Low Pass Filter	2.7kHz



### Electrical

Supply Voltage	Current Consumption	Used When
+12 VDC $\pm$ 5%	800 mA max	1 x HR1 is connected
	1400 mA max	1 x HR2 is connected
	2400 mA max	1 x HR4 is connected
	600 mA max	1 x ST is connected

The required power supply value should be calculated by adding the total power consumption of all the motors that are connected to the AB4 power consumption without motor (+12VDC/125 mA rms) according to the following:

- $I = 125\text{mA} + n \cdot I_{\text{motor}}$  (current consumption of a single motor)
- $n = \text{Number of motors that are connected (n= 1/2/3/4)}$

### Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-40°C - 70°C
Operating Humidity	Up to 80% non-condensing

### Physical

Length	95mm
Width	81.1mm
Height	32.4mm

