

ARD 2 **Arduino Compatibles**

Controllers, Shields, Modules & Sensors

ARD2-4080 **DC TO DC STEPUP BOOST CONVERTER** **5-32V INPUT TO 5-40V OUTPUT 3 AMP (XL6009)**

Description

The XL6009 is an adjustable step-down power supply converter module which is manually adjusted via the onboard trim pot.

The XL6009 boost converter can handle a DC voltage range of 5V - 32V input, an adjustable output of 5V-40V and a maximum input current of 4A

Specifications

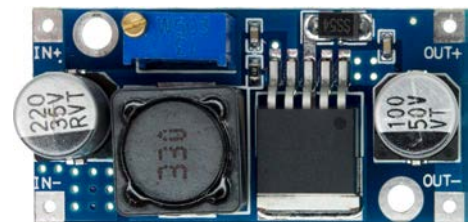
● Input Voltage	5V ~ 32V DC
● Input Current	4 AMP
● Output Voltage	1.25V ~ 35V
● Output Current	3A (Max)
● Conversion Efficiency	< 94%
● Switching Frequency	400KHz.
● Output Ripple	50mV <i>(the higher the voltage , the greater the current , the greater the ripple).</i>
● Load Regulation	± 0.5%.
● Voltage Regulation	± 0.5%.
● Operating Temperature	-40 °C ~ +85 °C.
● Dimensions	48mm * 25mm * 14mm

Sample Test References

Input 3V	Output 12V	0.4A	4.8W
Input 5V	Output 12V	0.8A	9.6W
Input 7.4V	Output 12V	1.5A	18W
Input 12V	Output 15V	2A	30W
Input 12V	Output 16V	2A	32W
Input 12V	Output 18V	1.6A	28.8W
Input 12V	Output 19V	1.5A	28.5W
Input 12V	Output 24V	1A	24W



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