

SP06 Voltage Regulator Module



SP06 Voltage Regulator Module

The SP06 Voltage Regulator Module performs twin functions of regulating higher voltage input power to 5.2VDC and outputting the regulated power to power out connection terminal blocks.

The SP06 will accept any DC power input between 8VDC and 28VDC. The input does not have to be tightly regulated, but must be within that range. Common connection is to power supplied from Velocio's PS-12-2.5 power supply. However, connection to any power source in the 8-28V range is acceptable.

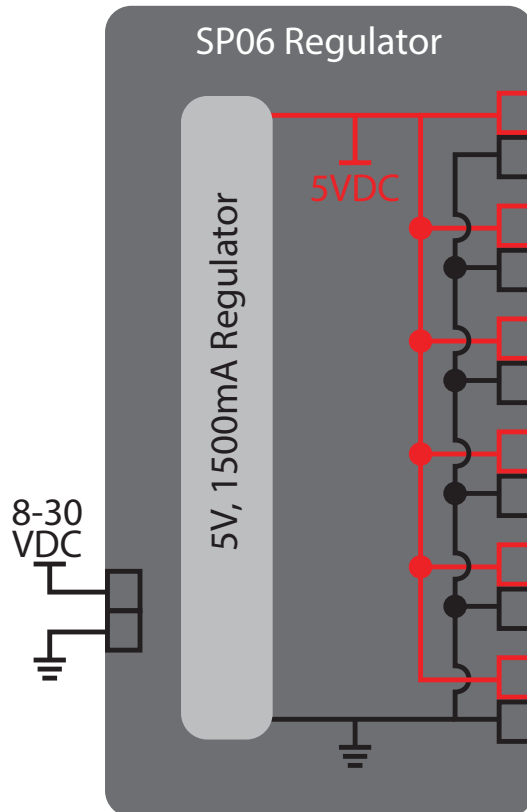
The SP06 regulates the input power to 5.2VDC. If the power source supplies a minimum of 10 watts (Volts X Amps rating of the sourcing supply) of power the SP06 will supply up 1.5A output current.

The SP06 Voltage Regulator Module distributes the regulated power to 6 terminal block outputs. The total supply output is 1.5A (assuming sufficient



source supply). All output terminals are directly connected, so that current can be distributed in any desired ratio.

This module mounts to a 15mm DIN rail, or over two spaced screws. The DIN rail mount of similarly mounted modules, is illustrated on the right.



Specifications :

◇	Part Number SP06	Regulator Module
◇	Input Power Voltage Minimum Voltage Maximum Minimum source wattage for 1.5A output examples :	8VDC 28VDC 10W 8V @ 1.25A = 10W 12V@0.833A = 10W 12V@2A = 24W 24V@.5A = 12W
◇	Output Power Voltage minimum maximum Current maximum* *assuming minimum source supply wattage	5.2VDC 5.05VDC 5.35VDC 1.5A
◇	Screw Terminals Spacing Wire size	3.5mm 26 to 16 AWG
◇	Mounting : DIN rail option : standard 15mm DIN rail (snap) Mounting screw option : over two #6 screws, placed 1.5 inches apart	