

# Voltage Regulator Module

## Single Phase AC Output

**multicomp** PRO

**RoHS  
Compliant**



### Description

This is single phase voltage regulator module, with phase-shift control output, is widely used in the industrial areas. Control input is 0-10VDC or 4-20mA, output current at 25A, 60A and 80A.

### Application

High and low temperature chamber, plastic machinery, incubator, dimmer, solar panel welding machine etc.

### Features

- Load Current: 25A, 60A and 80A
- SCR Output
- Control Input: 0-10V DC or 4-20mA
- Phase-shift control output
- LED Indication

### Technical Specification

Input Circuit			
Control Signal Parameters	Voltage Range of APS		10-32V DC
	Voltage Control Range		0-10V DC
	Voltage Control	Turn-on Voltage	0.2V DC max
		Turn-off Voltage	0.1V DC min
		Input Resistance	60kΩ Typ.
	Current Control	Control Current	4-20mA
		Turn-on Current	4.6mA max
		Turn-off Current	3.8mA min
Input Resistance		200Ω Typ.	
Output Circuit			
Output Voltage Range	240	176-280V AC	
	480	300-530V AC	
Maximum Surge Current (@10ms)	25A	250A	
	60A	600A	
	80A	800A	
Transient Over voltage	240	600Vpk	
	480	1200Vpk	
Output Power			0-99%
Operating Frequency Range			47-63Hz
Maximum Off-State Leakage Current [@ Rated Voltage]			5mA
Minimum Off-State dv/dt [@ Maximum Rated Voltage]			500V/us

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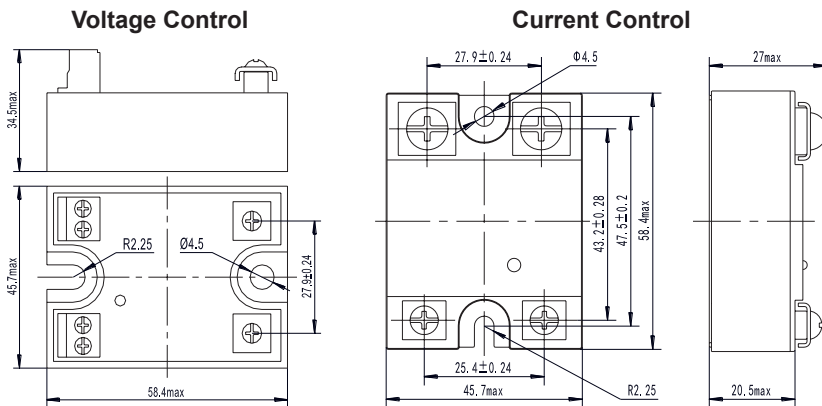
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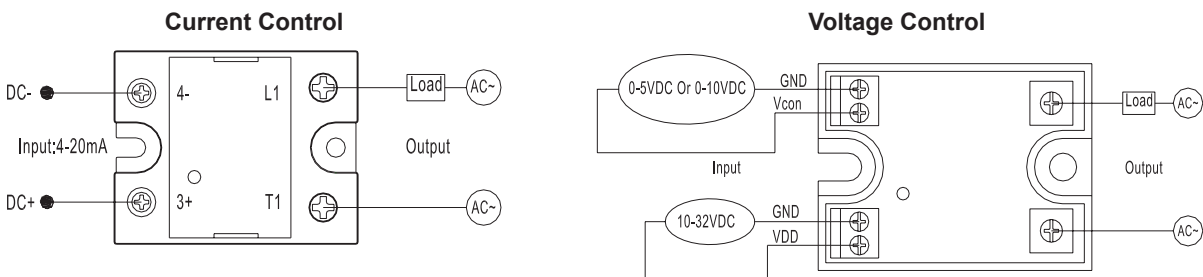
General Information		
Dielectric Strength, Input/Output/Base[50/60Hz]	Input/Output	4000Vrms
	Input, output/Base	2500Vrms
Ambient Operating Temperature Range		-30°C ~ +80°C
Ambient Storage Temperature Range		-30°C ~ +100°C
Weight	MC002376	123g
	MC002377	
	MC002378	
	MC002379	96g
	MC002380	
LED Indication Introduction		
LED (Green)		When the product is connected, LED is lighted

### Installation Drawing



Dimensions : Millimetres

### Wiring Diagram



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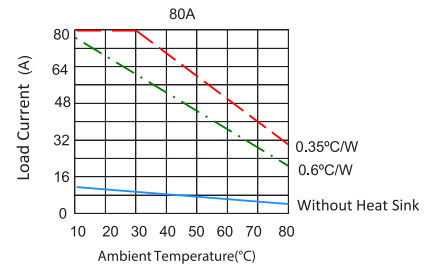
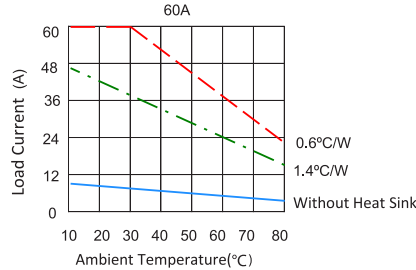
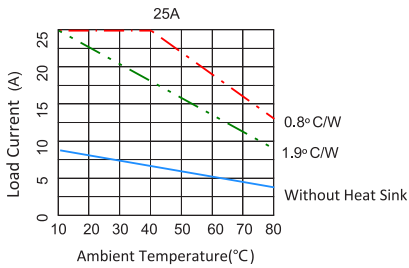
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### Thermal Curve



### Part Number Table

Description	Part Number
Voltage Regulator Module, Panel Mount, 25A, 240V AC, 0-10VDC, IP20, Power O/P	MC002376
Voltage Regulator Module, Panel Mount, 60A, 240V AC, 0-10VDC, IP20, Power O/P	MC002377
Voltage Regulator Module, Panel Mount, 80A, 240V AC, 0-10VDC, IP20, Power O/P	MC002378
Voltage Regulator Module, Panel Mount, 60A, 240V AC, 4-20mA, IP20, Power O/P	MC002379
Voltage Regulator Module, Panel Mount, 60A, 480V AC, 4-20mA, IP20, Power O/P	MC002380

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