



Solid state voltage regulating module

Instruction

GRV series products are economical voltage modulation elements which are designed for single-phase AC resistive loads. They are mainly used in the temperature control and lamp adjustment of electronic products. They feature the characteristics as compact dimension, light weight, big controlled power, infinitely variable control and high insulating voltage, etc. They are ideal substitutes for traditional cumbersome voltage regulating transformers.

Main technical data is as follows

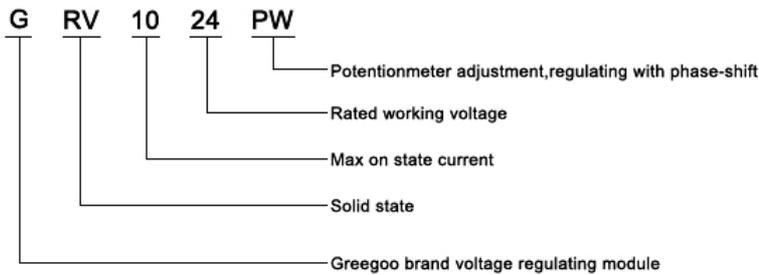
Max working current: 10-40A.

Rated voltage: 240V.

Insulating voltage: 2500V.

Potentiometer: 330-510K.

Ordering Key



Electric Parameter

Parameter	Unit	Parameter	10A	15A	25A	40A
GRV			10A	15A	25A	40A
Parameter						
Load Current Range	Arms		10	15	25	40
Surge Current, 20 mSec (Max.)	Arms		85	115	230	400
Load Voltage Range	Vrms		0-240			
			17-239			
On-state angle range			0-170°			
TRIAC Over voltage	Vpk		>800			
Potentiometer	kΩ		330-510			
Frequency Range	Hz		47-63			
Off State dv/dt (Min)	V/μsec		100			
Off State Leakage Current (Max.)	mArms		<5			
On State Voltage Drop (Max.)	Vrms		1.6			
Thermal Resistance,(Rthjc)	°C/W		2.5	2.5	1.3	1.1
Dielectric (Input-Output/Base)	Vrms		2500			
General specification						
Ambient temperature range			operating or Storage -30°C to +80°C			
Weight: (max.)			Aluminum Base plate: 130g; Copper Base plate: 99g			
Base plate			Aluminum or Copper, nickel-plated			
Case Color			Black			
Dimensions			L*W*H:57.2*44.5*22mm			

Caution Input and output is not insulated, please don't touch the module and potentiometer terminals when using.