

Product Description

- ◆ Non-isolated Single Phase Voltage Regulator
- ◆ Load Current: 10A, 25A, 40A, 60A, 80A, 100A
- ◆ Regulating Potentiometer 150K/2W, 220K/2W, 470K/2W
- ◆ Protection Cover (optional)
- ◆ Internal RC Protection Circuit
- ◆ LED Indicator
- ◆ RoHS Compliant



Product Selection

KWR	480	F	40	-L	(XXX)
KWR Series	Load Voltage 480: 480VAC	Regulating Potentiometer F:150K/2W G:220K/2W H:470K/2W	Load Current 10: 10Amp 25: 25Amp 40: 40Amp 60: 60Amp 80: 80Amp 100: 100Amp	L: LED	Customized Code

Technical Specifications

Input Specifications (Ta=25°C)		
Regulating Potentiometer	F	150K/2W
	G	220K/2W
	H	470K/2W

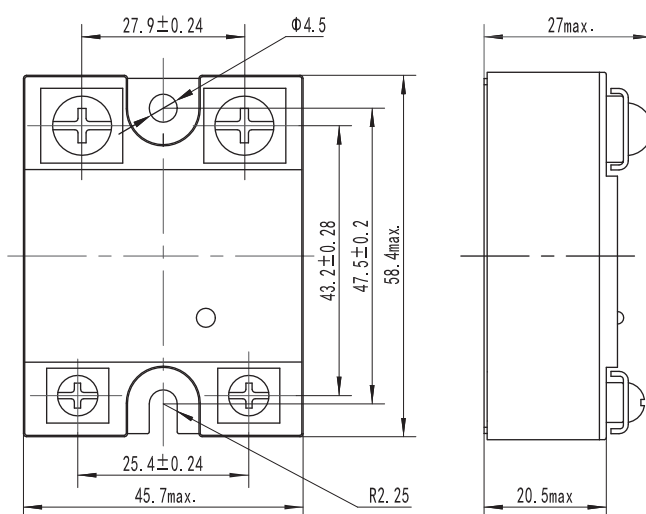
Output Specifications (Ta=25°C)		
Load Voltage Range		24~530VAC
Maximum Surge Current (@10ms)	10A	100A
	25A	250A
	40A	400A
	60A	600A
	80A	800A
	100A	1000A
Maximun I ² t (@10ms)	10A	50A ² s
	25A	312A ² s
	40A	800A ² s
	60A	1800A ² s
	80A	3200A ² s
	100A	5000A ² s
Maximum Transient Overvoltage		1200Vpk
Maximum Off-State Leakage Current@Rated Load Voltage		5mA

General Specifications (Ta=25°C)		
Dielectric Strength (50/60Hz)	Input,Output/Base	2500Vrms
Insulation Resistance (@500VDC)		1000MΩ
Operating Temperature Range		-30°C~+80°C
Storage Temperature Range		-30°C~+100°C
Weight(tpy)	10A/25A/40A/60A/80A	90g
	100A	150g

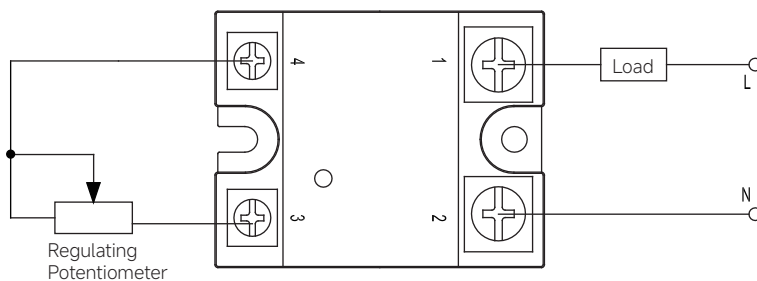
Applications

Suitable for Temperature adjustment devices, plastic molding machines, vulcanization machine, and etc.

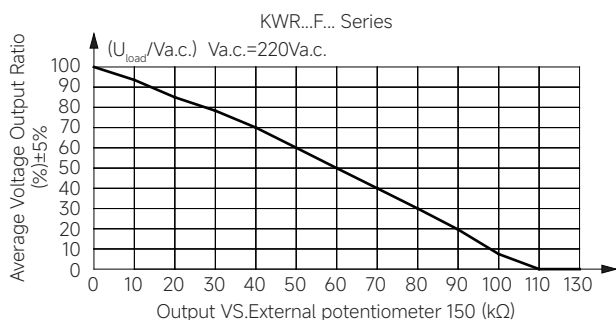
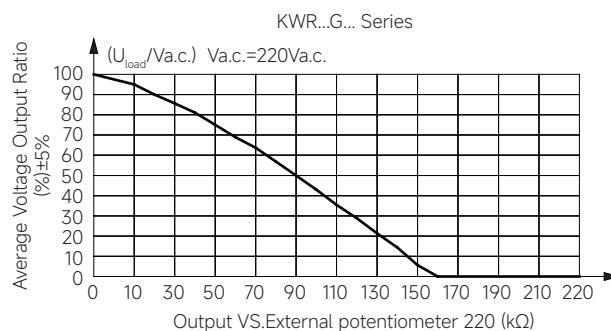
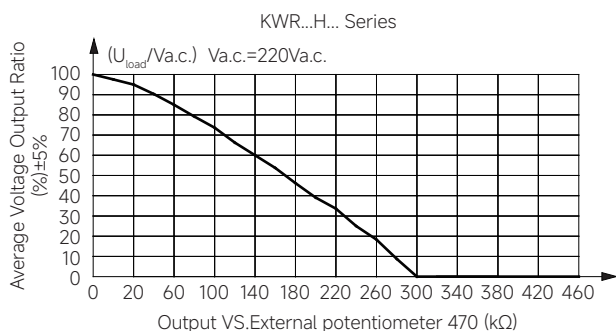
Outline Dimensions



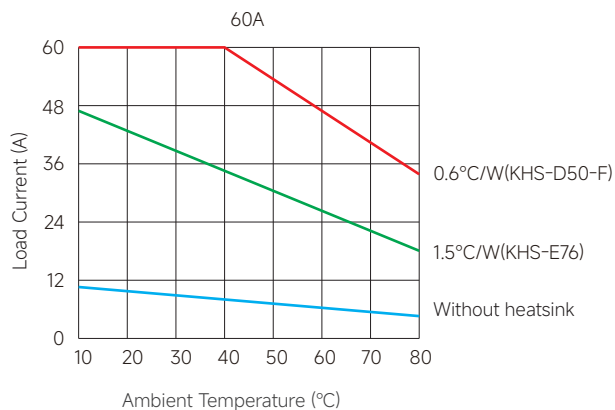
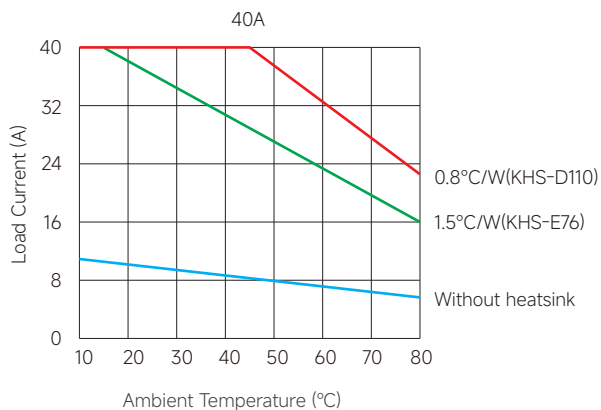
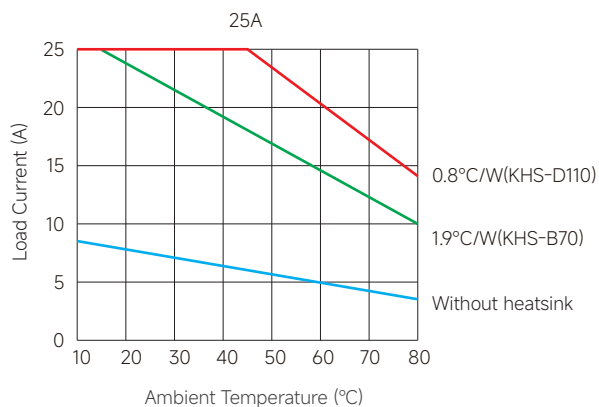
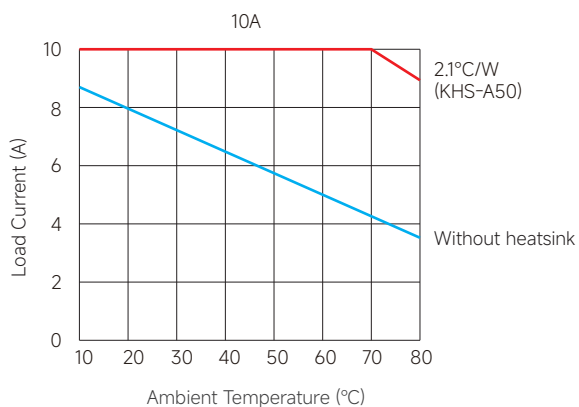
Wiring Diagram

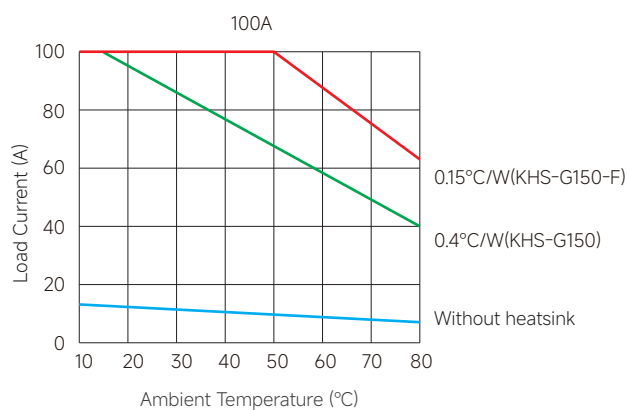
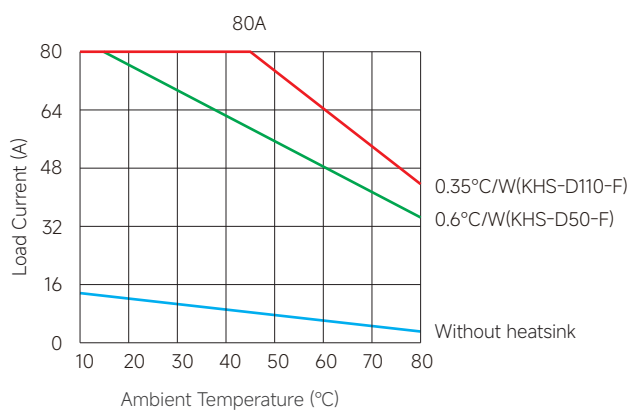


Output / Proportional Control Features



Thermal Derating Curve





General Notes

1. Relay must be mounted to proper sized heat sink based on thermal curves. Thermal grease or a thermal pad must be used between relay and heat sink .
2. When connecting wiring to SSR please ensure screws are torqued down properly, input (0.58-0.98)N·m,5.13-8.67(lb-in), output(0.98-1.37)N·m,8.67-12.12(lb-in).
3. When the operation temperature is high, please consider the derating as per the thermal curve.



Warnings

1. The product may be hot, allow the product to cool before touching.
2. Disconnect all power before installing or working with this equipment.
3. Verify all connections and replace all covers before turning on power.