

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
- ◆ Potentiometer Gear
- ◆ LED Indicator
- ◆ RoHS Compliant



Ordering Information

KWR	480	F	40	-L
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

General Specifications

Input Specifications		
Regulating Potentiometer	F	150K/2W
	G	220K/2W
	H	470K/2W

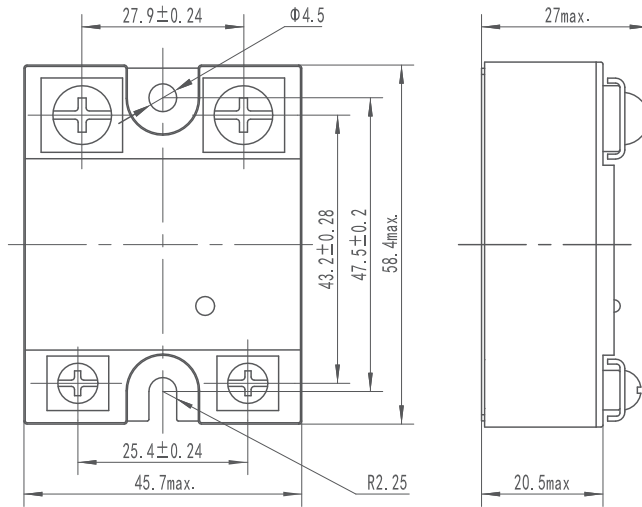
Output Specifications		
Load Voltage Range	480VAC	24-530VAC
Maximum Surge Current (@10ms)	10A	100A
	25A	250A
	40A	400A
	60A	600A
	80A	800A
	100A	1000A
Maximum I ² t (@10ms)	10A	50A ² s
	25A	312A ² s
	40A	800A ² s
	60A	1800A ² s
	80A	3200A ² s
	100A	5000A ² s
Maximum Transient Overvoltage		1200Vpk
Maximum Off-State Leakage Current@Rated Load Voltage		5mA

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

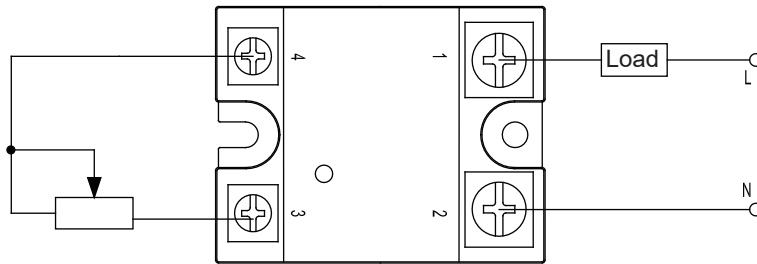
Applications

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

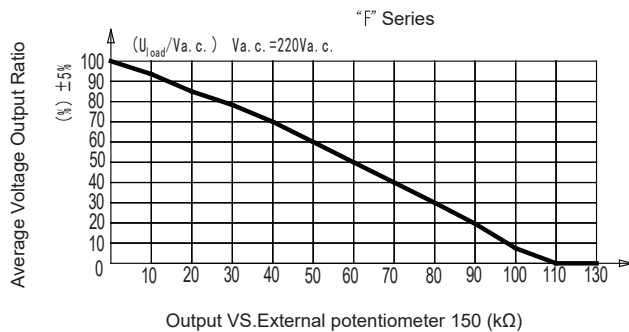
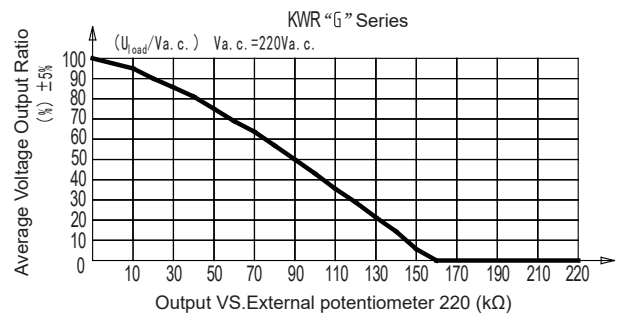
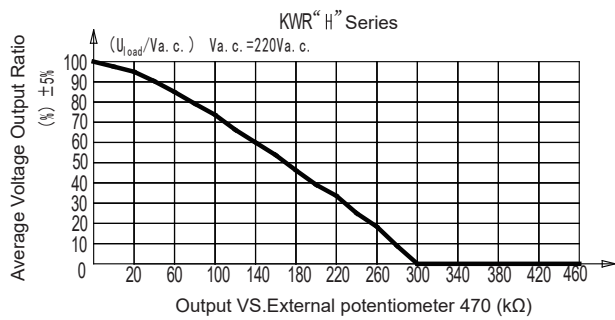
Outline Dimensions



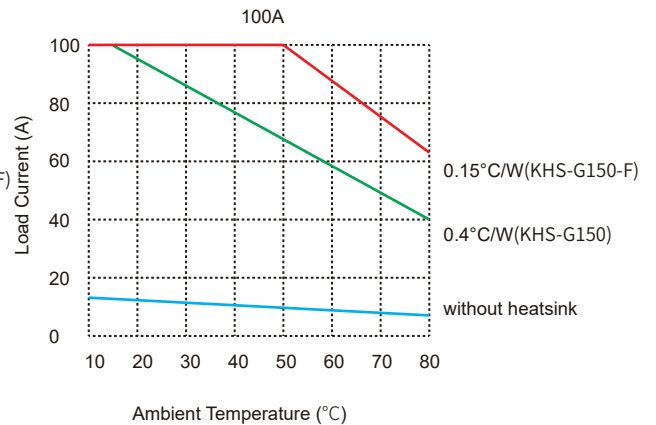
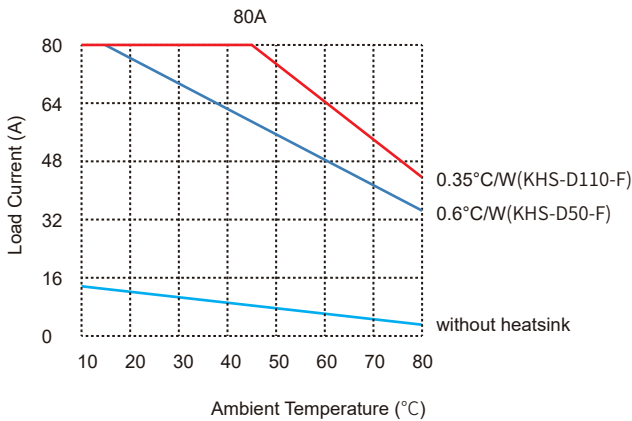
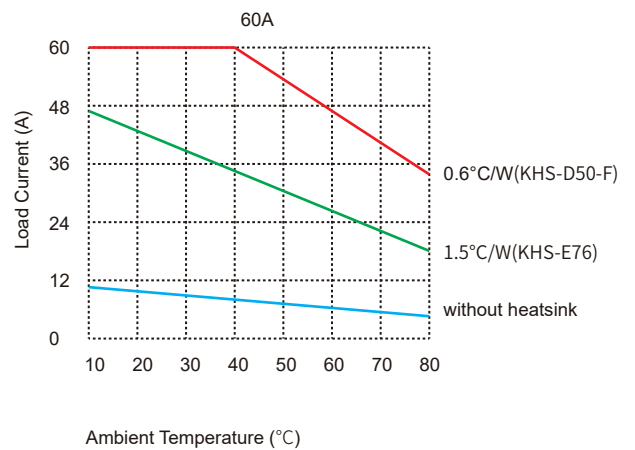
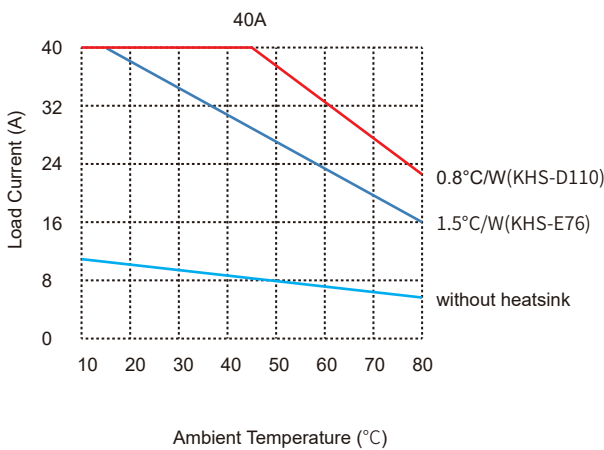
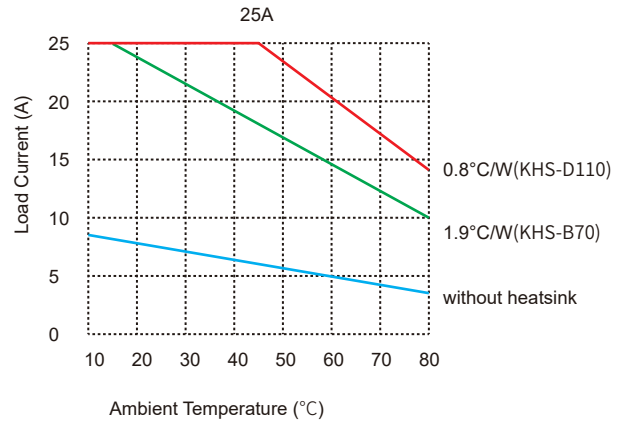
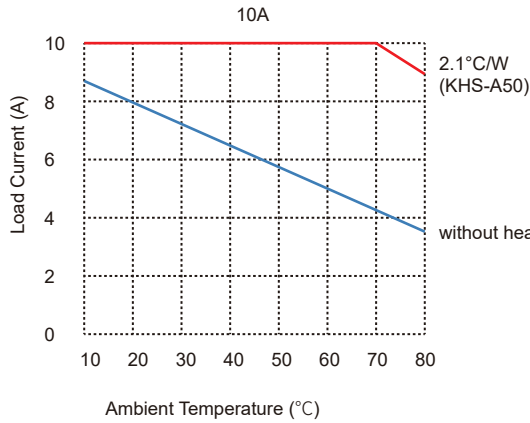
Wiring Diagram



Regulating Potentiometer Resistance VS Voltage Output Effective Value Curves



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's side panels 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.