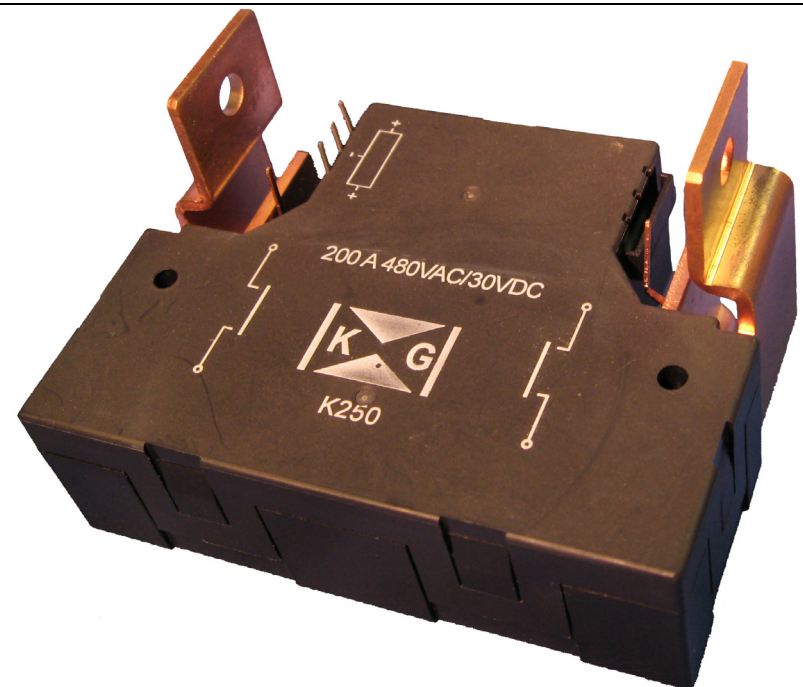


## 200A Power Latching Relay

- 200A Switching Capability
- ANSI C12.1 Compliant
- RoHS Compliant
- 4kV Dielectric Strength
- Switching power up to 55.4kVA



## K250 Specifications

Contact Data		Characteristics	
Contact Arrangement	<b>2A</b>	Insulation resistance	1000MΩ (at 500VDC)
	200A / 277Vac	Dielectric strength:	
	200A / 28Vdc	coil to contact	4000 Vac for 1 min.
Contact material	AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> , AgCdO	across open contacts	2000 Vac for 1 min.
Initial contact resistance	Min: 50mV (@ 10A)	Dielectric Creepage: DPST	9.6mm
	Max: 250mV (@ 10A)		
Rated Load	200A @ 277Vac	Set time – latching	20ms Max.
	200A @ 28Vdc	Reset time - latching	20ms Max.
Max. Switching Voltage	440VAC	Operating temperature	-40 C to + 70°C
Max. Switching Current	200A	Storage temperature	-40 C to + 100°C
Max. Switching Power	55400VA / 5600W	Humidity	98%RH, 40°C
		Vibration	1.0mm (DA), 10~55 Hz
Expected life:			
electrical (rated load)	1 x 10 <sup>4</sup> Operations (1 x Set + Reset)	Shock:	
mechanical	1 x 10 <sup>6</sup> Operations (1 x Set + Reset)	Functional	98m/s <sup>2</sup>
		Destructive	980m/s <sup>2</sup>
		Dimensions	97.6 x 73.2 x 29.5 mm
		Unit Weight	Approx.500g
		Termination	PCB

### Coil data

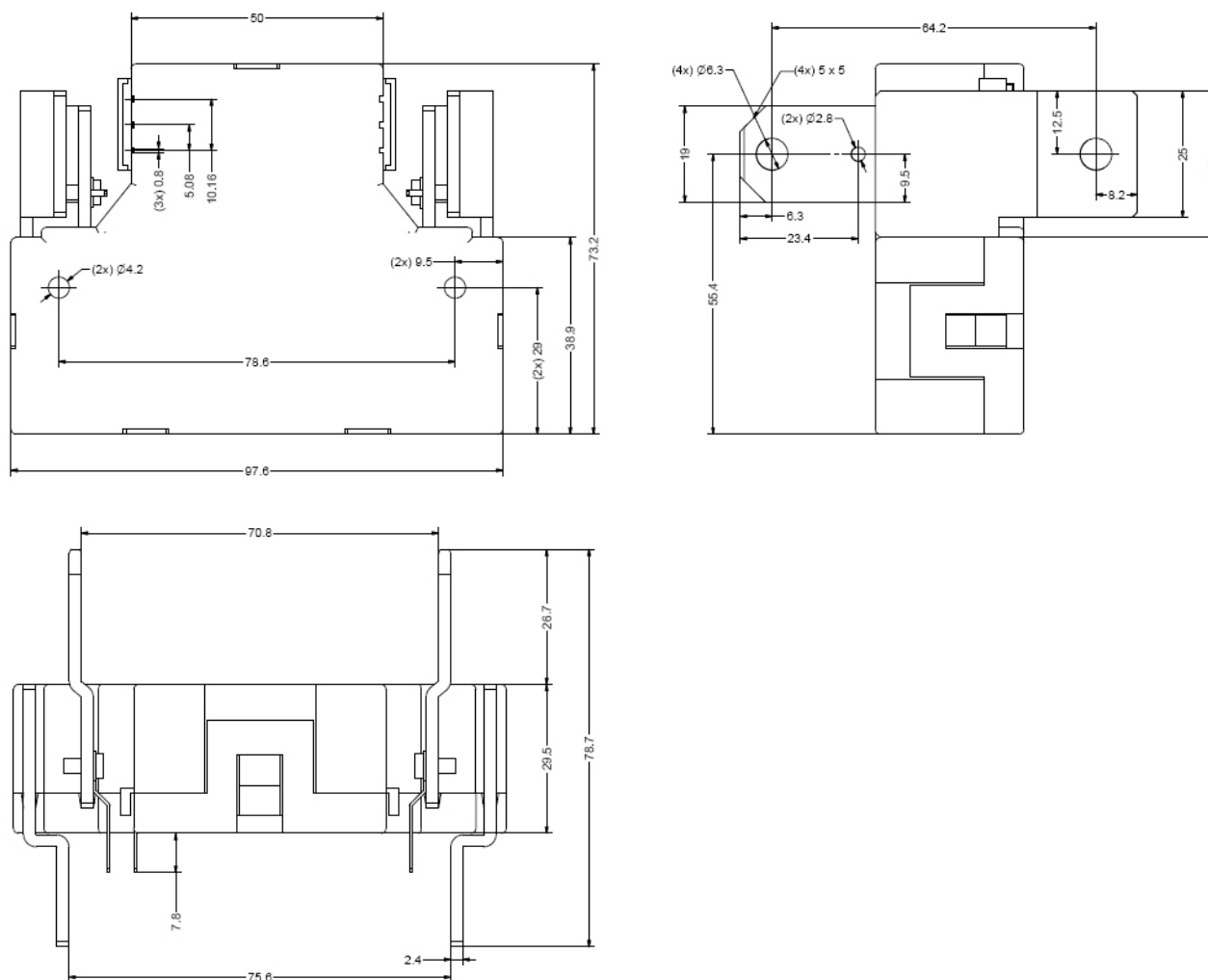
	Single Coil (Latching)	Dual Coil (Latching)
Coil consumption	12W	24W
Pulse Duration	Min.50ms (200mS Recommended)	
Nominal coil voltage	Min Operating voltage	Coil resistance (Ω ± 10%) @ 25°C
		Single Coil (Latching)
		Dual Coil (Latching)
12Vdc	9.6Vdc	12Ω
24Vdc	19.2Vdc	48Ω
48Vdc	48Vdc	190Ω
		2 x 6Ω
		2 x 12Ω
		2 x 95Ω

## Ordering Information

<b>Relay Series</b>	<b>K250</b>	<b>A</b>	<b>- D</b>	<b>12</b>	<b>L -</b>	<b>B</b>	<b>T</b>	<b>- R</b>
<b>Terminal Type:</b>	<b>A: See drawings</b> <b>B: See drawings</b>							
<b>Coil Type:</b>	<b>S: Single Coil</b> <b>D: Dual Coil</b>							
<b>Coil Voltage:</b>	6, 12, 24, 48 VDC							
<b>Coil Direction:</b>	<b>L: Left Sided Coil</b> <b>R: Right Sided Coil</b>							
<b>Insulation Standard:</b>	<b>B: Class B</b> <b>F: Class F</b>							
<b>Contact Material:</b>	<b>T: AgSnO<sub>2</sub></b> Leave blank for AgCdO							
<b>Special</b>	<b>R: RoHS Compliant</b>							

## DIMENSIONAL DRAWINGS

### A Style Terminals



## Application Notes

<b>Single Coil</b>	<ul style="list-style-type: none"> <li>• T1(-) &amp; T3(+) to Close Contacts</li> <li>• T1(+) &amp; T3(-) to Open Contacts</li> </ul>	
<b>Dual Coil</b>	<ul style="list-style-type: none"> <li>• T2(+) &amp; T1(-) to Close Contacts</li> <li>• T2(+) &amp; T3(-) to Open Contacts</li> </ul>	

## Disclaimer

**This datasheet is for reference only. All specifications are subject to change without prior notice.**  
 KG Technologies, Inc. cannot predict every possible application for our relays. While we do our best to make our relays as versatile as possible, we highly recommend contacting our engineering team if you have any questions. KG Technologies, Inc. is not responsible for malfunctioning relays when operated outside the specified parameters given in this datasheet.