- TTL Compatible Drive
- TRIAC Output
- Control Voltage: 5VDC，12VDC，24VDC
- Load Current: 2A
- Dielectric Strength: 2500Vrms
- PCB Mounted
- RoHS Compliant

Ordering Information

KSA	240	D	2	R	24	T	(XXX)
KSA Series	Load Voltage 240: 240VAC	DC Control	Load Current 2: 2Amp	Switching Mode Blank: Zero Crossing R: Random-on	Control Voltage 5: 5VDC 12: 12VDC 24: 24VDC	Pin Layout Blank: Standard T: T Type Footprint	Customized Code

General Specifications

Input Specifications (Ta=25°C)		
Control Voltage Range	5	4-6VDC
	12	9.6-14.4VDC
	24	19.2-28.8VDC
Must Turn-On Voltage	5	4VDC
	12	9.6VDC
	24	19.2VDC
Must Turn-Off Voltage	1VDC	
Maximum Input Current	25mA	

Output Specifications (Ta=25°C)	
Load Voltage	24-280VAC
Maximum	600Vpk
Maximum Off-State Leakage Current@Rated Load	1.5mA
Minimum Off-State dv/dt@Maximum Rated Voltage	200V/μs

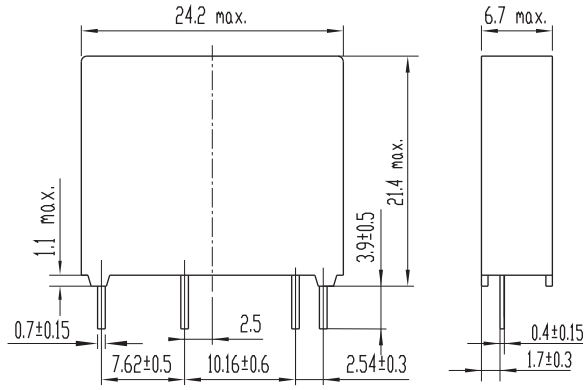
Output Specifications (Ta=25°C)	
Load Current	0.1-2A
Maximum 1 Cycle Surge Current	35Apk
Maximum I^2t for Fusing (10ms)	6.1A^2s
Maximum On-State Voltage Drop@Rated Current	1.5Vrms
Maximum Turn-On Time	Zero Crossing：1/2cycle+1ms,Random-on：1ms
Maximum Turn-Off Time	1/2cycle+1ms
Operational Frequency Range	47-63Hz
Minimum Power Factor (@Maximum load)	0.5

General Specifications (Ta=25°C)	
Dielectric Strength (50/60Hz)	2500Vrms
Minimum Insulation Resistance (@500VDC)	1000MΩ
Ambient Temperature Range	-30°C ～ +80 °C
Storage Temperature Range	-30°C ～ +100 °C
Weight (Typical)	6g

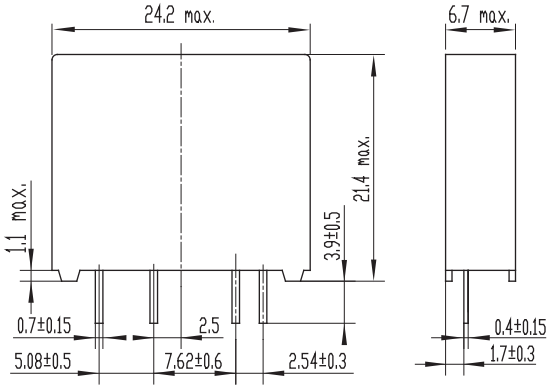
Applications

Suitable for control electromagnetic valve, electric machine, filament lamp, and etc.

Outline Dimensions

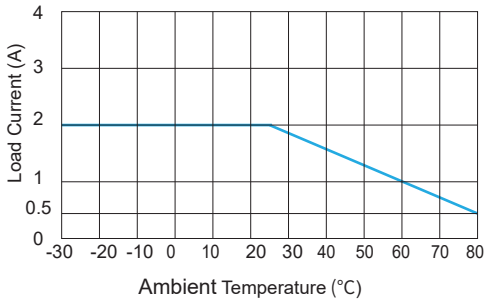


Standard Footprint



T Type Footprint

Thermal Derating Curve



General Notes

1. Soldering must be finished within 10 seconds at 260°C,or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.
2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.
3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

Certification