SGC-4F

SOLID STATE RELAY
2 AMP 250 VAC

FEATURES

- Photo isolation
- 600V blocking voltage
- Both “Zero Voltage” and phase controllable “Random” Switching versions
- High surge capability
- PCB mount
- UL, CUR file E43203

Input	Voltage	05D 12D 24D	4 to 6 VDC 9.6 to 14.4 VDC 19.2 to 28.8 VDC
	Turn-on Voltage	05D 12D 24D	4 VDC 9.6 VDC 19.2 VDC
	Current		15 mA
	Turn-off voltage		1 VDC
Output	Voltage Range		50 to 250 VAC
	Current Rating (max.)		2 A
	Inrush Current (non repetitive)		30 A
	Voltage Drop (max.)		1.5 VAC
	Minimum Load Current		15 mA
	Leakage Current (max.)		1.5 mA
	Zero Voltage Switching		Yes
	Min. Off-state Dv/Dt at Maximum Rated Voltage		15 V/us
	Frequency Range		47 to 70 Hz
	Time Turn-on		1/2 of cycle +1 ms
	Time Turn-off		1/2 of cycle +1 ms
General Characteristics	Dielectric Strength		2000 VAC, 1 min.
	Insulation Resistance		1000MΩ min. at 500 VDC
	Ambient Temp. Range (operating)		-30°C (-22°F) to 80°C (176°F)
	Termination		PCB terminal
	Weight		Approximately 5 grams
	Construction		Fully sealed

AMERICAN ZETTLER, INC. www.azettler.com
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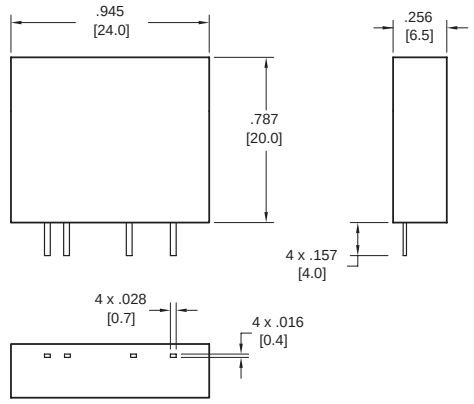
SGC-4F

RELAY ORDERING DATA

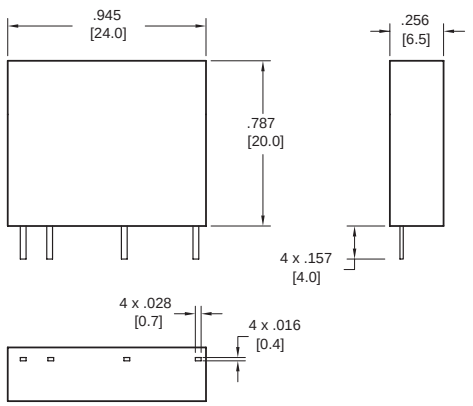
SGC-4F	05	D	0	T
MODEL	INPUT VOLTAGE	INPUT FORM	OUTPUT FORM	TERMINAL ARRANGEMENT/ MOUNT FORM
	05: 4 to 6V 12: 9.6 to 14.4V 24: 19.2 to 28.8V	D: DC	0: Zero-cross 1: Random Phase	T: Pin T M: Pin M

MECHANICAL DATA

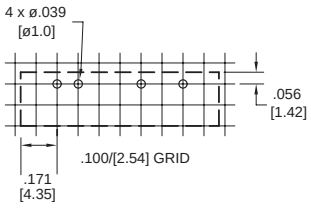
TERMINAL STYLE "T"



TERMINAL STYLE "M"

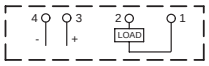


PC BOARD LAYOUT



Viewed toward terminals

WIRING DIAGRAM



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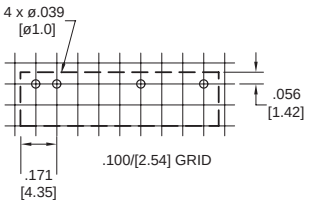

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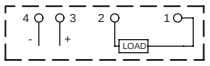
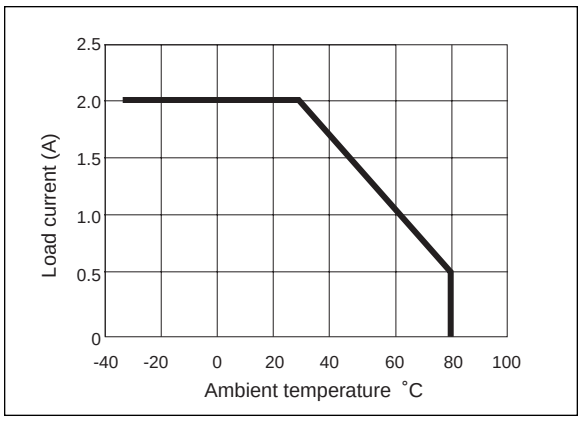


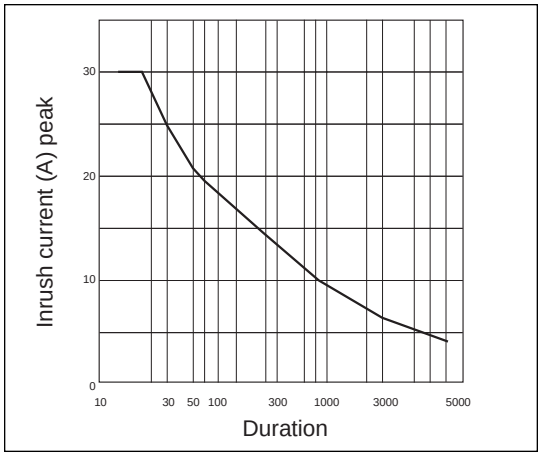
Viewed toward terminals

Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

Load current vs. ambient temperature characteristics



Inrush current resistivity Non-repetitive



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