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

PHONE: (949) 831-5000 www.azettler.com E-MAIL: SALES@AZETTLER.COM

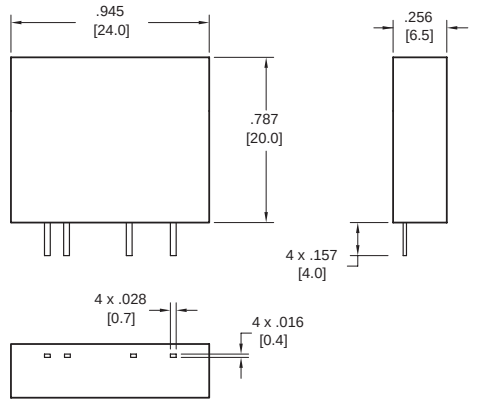
SGC-4F

RELAY ORDERING DATA

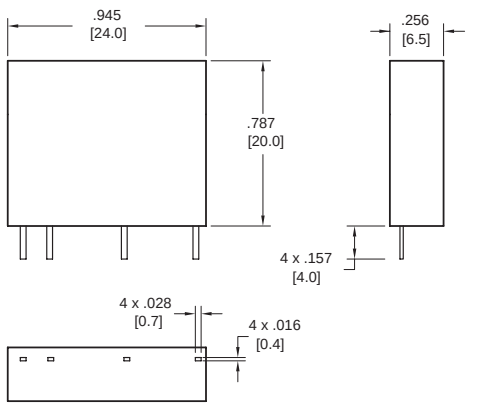
SGC-4F	05	D	0	T
MODEL	INPUT VOLTAGE	INPUT FORM	OUTPUT FORM	TERMINAL ARRANGEMENT/ MOUNT FORM
	05: 4 to 6V 12: 9.6 to 14.4V 24: 19.2 to 28.8V	D: DC	0: Zero-cross 1: Random Phase	T: Pin T M: Pin M

MECHANICAL DATA

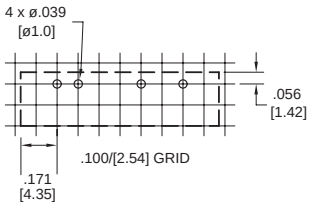
TERMINAL STYLE "T"



TERMINAL STYLE "M"

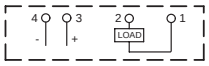


PC BOARD LAYOUT



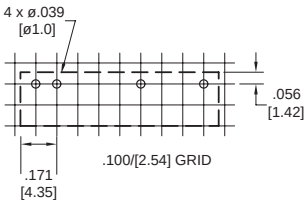
Viewed toward terminals

WIRING DIAGRAM



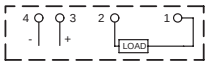
Viewed toward terminals

PC BOARD LAYOUT



Viewed toward terminals

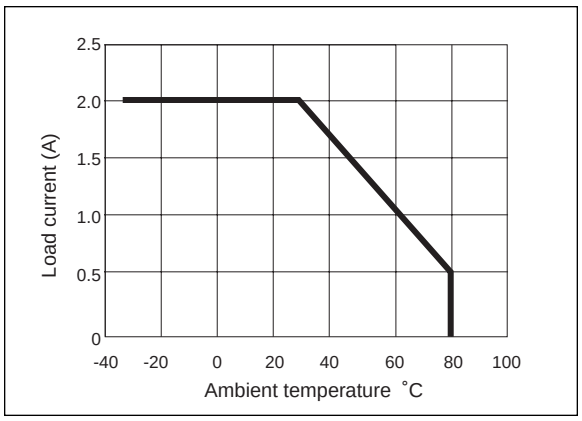
WIRING DIAGRAM



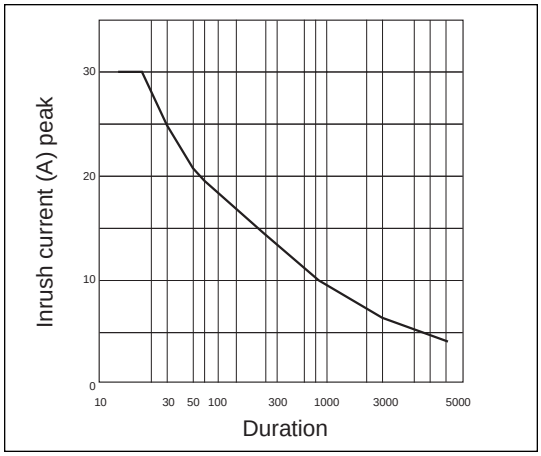
Viewed toward terminals

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

Load current vs. ambient temperature characteristics



Inrush current resistivity Non-repetitive



PHONE: (949) 831-5000 www.azettler.com E-MAIL: SALES@AZETTLER.COM