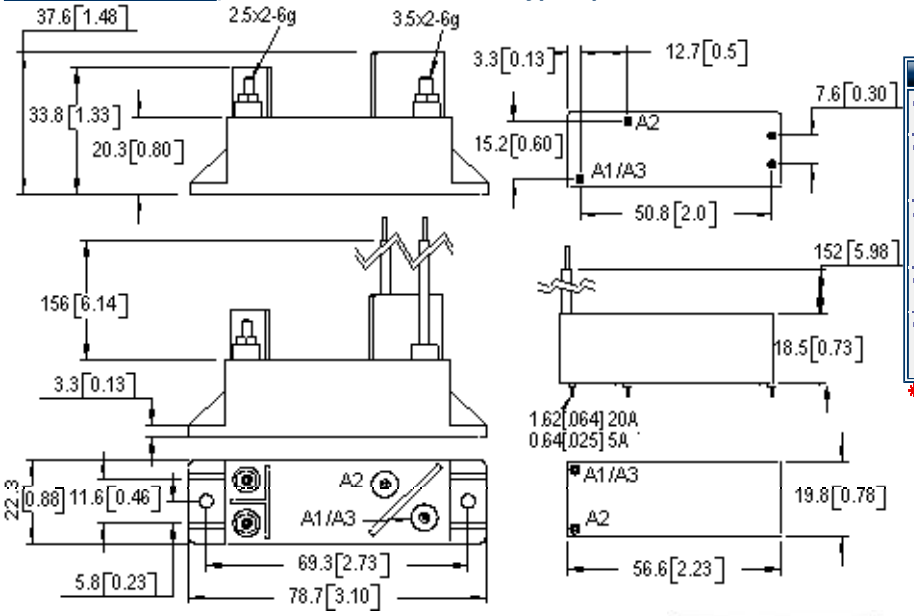
G81A - G81B 10 kV

Make & Break Load Switching

RoHS Compliant, date code 0701 and later. Type 7 panel mount versions date code 0827 and later.



FEATURES

- Smallest profile available for a high power 10kV relay
- Four standard mechanical configurations offer extreme mounting and connection versatility
- Standard options provide for increased current handling capability
- Durable tungsten contacts for hot load switching*
- Vacuum dielectric for effective arc quenching when opening under load*

*Consult factory for load switching applications.

For more information, refer to **Relay User Instructions**

PRODUCT SPECIFICATIONS

Contact & Relay Ratings	Units	G81A	G81B
Contact Form		A	B
Contact Arrangement		SPST-NO	SPST-NC
Voltage, Test Max., Contacts (15 µA Leakage Max., dc or 60Hz)	kV Peak	11	11
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)			
dc or 60 Hz	kV Peak	10	10
2.5 MHz	kV Peak	-	-
16 MHz	kV Peak	-	-
32 MHz	kV Peak	-	-
Current, Continuous Carry Max			
dc or 60 Hz	Amps	5, 20 or 30*	5, 20 or 30*
2.5 MHz	Amps	-	-
16 MHz	Amps	-	-
32 MHz	Amps	-	-
Coil Hi-Pot (V RMS, 60 Hz)	V	-	-
Capacitance			
Across Open Contacts	pF	-	-
Contacts to Ground	pF	-	-
Resistance, Contact Max @ 1A, 28Vdc	ohms	0.03	0.03
Operate Time	ms	10	10
Release Time	ms	10	10
Life, Mechanical	cycles	2 million	2 million
Weight, Nominal	g (oz)	56 (2)	56 (2)
Vibration, Operating, Sine (55-500 Hz Peak)	G's	10	10
Shock, Operating, 1/2 Sine11ms (Peak)	G's	30	30
Temperature Ambient Operating	°C	-55 to +85	-55 to +85

COIL RATINGS

Nominal, Volts dc	12	26.5	115
Pick-up, Volts dc, Max.	8	16	80
Drop-Out, Volts dc	.5 - 5	1 - 10	5 - 50
Coil Resistance (Ohms ±10%)	70	290	4700

Ratings listed are for 25°C, sea level conditions

G81 A 3 3 5

Contact Form
A = SPST-NO
B = SPST-NC

Coil Voltage
2 = 12 Vdc, PC Pins
3 = 26.5 Vdc, PC Pins
5 = 115 Vdc, PC Pins
A = 12 Vdc, Panel Mount
B = 26.5 Vdc, Panel Mount
C = 115 Vdc, Panel Mount

High Voltage Connections
A** = PCB Pins - 20 Amp
3 = PCB Pins - 5 Amp
4 = Flying Leads
5 = Stud Terminals

Mounting
5 = PC Board
7 = Panel Mount

*PC pin versions carry 5 or 20 amps, see part number above. Flying lead and panel versions carry 30 amps.

**Power terminal on 20 amp version is a larger diameter than on the 5 amp version. 01/11/11

GIGAVAC® - P.O. Box 4428 - Santa Barbara, CA 93140-4428 - ph +(805) 684-8401 - +(805) 755-2000
fx +(805) 684-8402 - info@gigavac.com - www.gigavac.com - ©Copyright 2003-2011 GIGAVAC, LLC.