GIGAVAC®
ADVANCED SWITCHING SOLUTIONS

25kV SPDT HV Relay
Single Pole Double Throw

G52

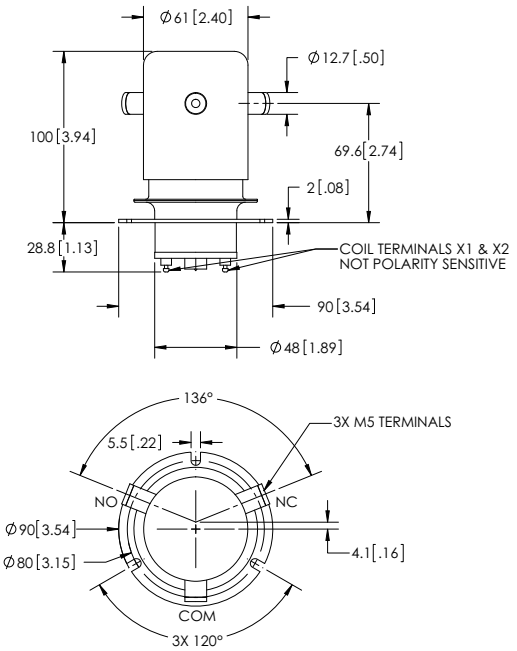
FEATURES

- High current carry in a small package
- Low stable contact resistance minimizes loss in RF circuits
- Mounting options in any axis
- Threaded HV terminals provide easy and secure connection

PRODUCT SPECIFICATIONS

Contact & Relay Ratings	Units	G52
Contact Form		C
Contact Arrangement		SPDT
Contact Material (moveable/stationary)		molybdenum /copper
Dielectric		Vacuum
Voltage, Test Max., Contacts & to Base (15 µA Leakage Max.) dc or 60Hz	kV Peak	30
Voltage, Operating Max., Contacts & to Base (15 µA Leakage Max.)		
dc or 60 Hz	kV Peak	25
2.5 MHz	kV Peak	15
13.56 MHz	kV Peak	10
32 MHz	kV Peak	7
Current, Load Switching		Contact factory**
Current, Continuous Carry Max		
dc or 60 Hz	Amps	150
2.5 MHz	Amps	120
13.56 MHz	Amps	75
32 MHz	Amps	30
Coil Hi-Pot (V RMS, 60 Hz)	V	500
Capacitance		
Across Open Contacts	pF	5
Contacts to Ground	pF	5
Resistance, Contact Max @ 1A, 28 Vdc	ohms	0.003
Operate Time	ms	100
Release Time	ms	15
Life, Mechanical	cycles	1 million
Weight, Nominal	g (oz)	1000 (35)
Vibration, Operating, Sine (55-500 Hz Peak)	G's	10
Shock, Operating, 1/2 Sine11ms (Peak)	G's	30
Temperature Ambient Operating	°C	-55 to +125
Maximum Terminal Temperature	°C	200

** Consult factory for load switching applications.



COIL RATINGS

Nominal, Volts dc	12	26.5
Pick-up, Volts dc, Max.	8	16
Drop-Out, Volts dc	.5 - 5	1 - 10
Coil Resistance (Ohms ±10%)	15	60

PART NUMBER SYSTEM

G52	W	F	
High Voltage/ Power Terminal Connections	**W** = Screw		
Mounting		**F** = Flange	
Coil Voltage*			**Blank** = 26.5 Vdc **-12Vdc** = 12 Vdc

* Order the relay with the part number as shown. The latching "L" designator and the coil voltage willnot appear in the P/N on the relay but will be indicated on the label that is on the base of the relay. Observe coil polarity.