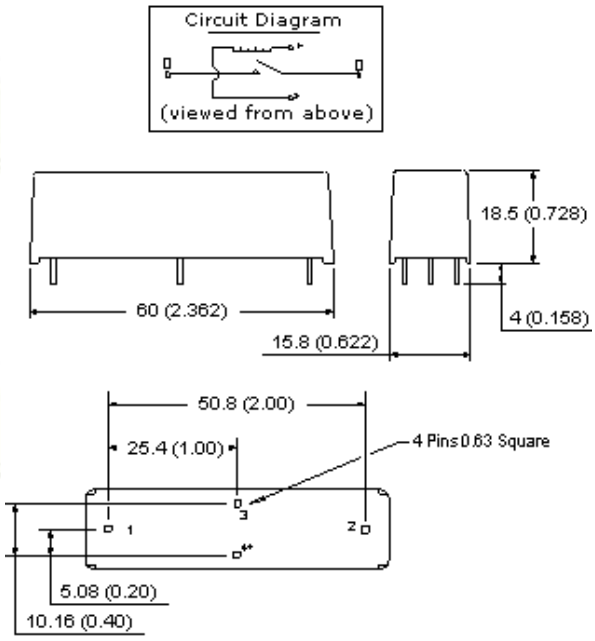
GR5LTA - GR5LTB 10 kV

Make & Break Load Switching

RoHS Compliant, date code 0701 and later



FEATURES

- Vacuum dielectric offers low stable contact resistance
- All PC pin or PC pin & flying lead connections provide mounting and connection versatility
- Durable tungsten coated contacts for hot load switching*
- Extremely long mechanical life of one billion operations
- Coil choices of 5, 12 or 24Vdc accommodate virtually any drive circuit

*See load chart on this page. Consult factory for loads not listed.

PRODUCT SPECIFICATIONS

Contact & Relay Ratings	Units	GR5LTA	GR5LTB
Contact Form		A	B
Contact Arrangement		SPST-NO	SPST-NC
Load Switching		see chart below	see chart below
Voltage Ratings between Contacts	kV Peak	10	10
Current Carry @ DC	Amps	5	5
Contact Resistance	Ohms	0.250	0.250
Capacitance			
Across Open Contacts	pF	1	1
Closed Contacts to Ground	pF	8	8
Initial Insulation Resistance	GigaOhms	10	10
Operate Time	ms	2	2
Release Time	ms	2	2
Life, Mechanical	cycles	1 billion	1 billion
Weight, Nominal	g (oz)	28 (1)	28 (1)
Vibration, Operating, Sine(10-500 Hz Peak)	G's	20	20
Shock, Operating, 1/2 Sine 11ms (Peak)	G's	100	100
Temperature Range			
Operating	°C	-20 to +70	-20 to +70
Storage	°C	-35 to +110	-35 to +110

COIL RATINGS

Nominal, Volts dc	5	12	24
Pick-up, Volts dc, Max.	4	10	21
Drop-Out, Volts dc	.5	2	4
Coil Resistance-*GR5LTA* (Ohms ±10%)	28	150	780
Coil Resistance-*GR5LTB* (Ohms ±10%)	38	240	925

For more information, refer to

Relay User Instructions

GR5LT A 3 3 5

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

Coil Voltage
1 = 5 Vdc
2 = 12 Vdc
3 = 24 Vdc

High Voltage Connections
3 = PC Pins
4 = 12" Flying Leads

Mounting
5 = PC Pins

Load Switching		Life in cycles
Voltage	Current	
110 Vac	0.5 Amps	1,000,000
120 Vac	1.0 Amps	200,000
1000 Vac	200 mAmps	100,000
5000 Vac	83 mAmps	1,000