

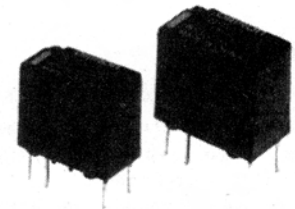
G5V-1

Low Signal Relay

7 RELAYS

Features

- Ultra-miniature, highly sensitive SPDT relay for low signal circuits
- 150mW nominal power consumption with 96mW pick-up power
- Small size at 10 mm (.394 in.) H x 7.5 mm (.295 in.) W x 12.5 mm (.492 in.) L
- Conforms to FCC part 68 voltage surge
- Fully-sealed construction
- Ideal for use in telecommunications, security and computer/peripheral equipment
- UL listed, CSA certified



Contact Data

Contact ratings

125 VAC, 0.5 A (General use);
69 VDC, 0.3 A, 30 VDC (Resistive)

Contact material Ag + Au-clad

Carry current 2 A

Maximum operating voltage 125 VAC, 60 VDC

Maximum operating current 1 A

Maximum switching capacity 62.5 VA, 30 W

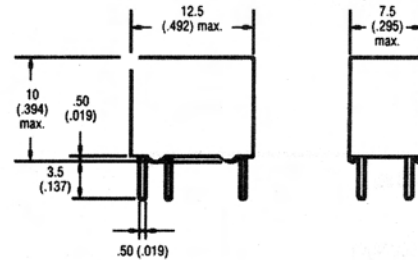
Minimum permissible load 1mA, 5 VDC

Ordering Information

Part number	Rated voltage (V)	Coil res. (Ohms)	Power (mW)	Contact form	Type
G5V-1-DC5	5 DC	166.7	150	SPDT	Non-Latching
-DC12	12 DC	960	150	SPDT	Latching
-DC24	24 DC	3,840	150	SPDT	Sealed

Dimensions [Unit: mm (inch)]

PC Board Relay (top and side views)



Coil Data (% of rated voltage)

Pickup voltage 80% max.

Dropout voltage 10% min.

Maximum voltage 200% at 55°C max.

* 70% max. pick-up voltage version also available.

Characteristic Data

Initial contact resistance 100mΩ max. (Initial)

Operate time 5ms max. (mean value: approx. 2.5ms)

Release time 5ms max. (mean value: approx. 0.9ms)

Insulation resistance 1,000mΩ min. (at 500 VDC)

Dielectric strength

Between coil and contacts: 1,000 VAC, 50/60 Hz for 1 minute

Between contacts of same pole: 400 VAC, 50/60 Hz for 1 minute

Ambient temperature -30° to 70°C

Service life

Mechanical: 5,000,000 operations min. (at 36,000 operations/hour)

Electrical: 100,000 operations min. at 1 A, 30 VDC

Construction Data

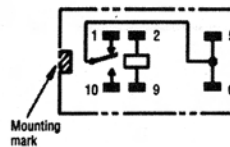
Termination PCB terminals

Construction Fully-sealed

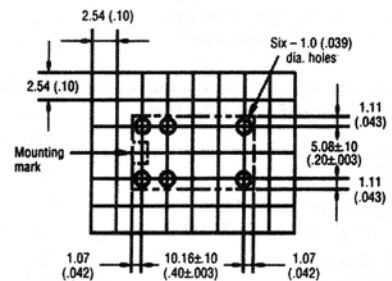
Weight 2.2 g

Packaging method Tubes

Terminal arrangement/ Internal connections (bottom view)



Mounting holes (bottom view)



Note: 1. and indicate mounting orientation marks.