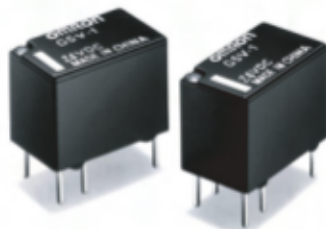


## Ultra-miniature, Highly Sensitive SPDT Relay for Signal Circuits

- ROHS compliant.
- Ultra-miniature at 12.5 x 7.5 x 10 mm (L x W x H).
- Wide switching power of 1 mA to 1 A.
- High sensitivity: 150mW nominal coil power.
- Fully sealed construction.
- International 2.54mm terminal pitch.
- Conforms to FCC Part 68 requirements for coil to contacts.



## Ordering Information

Classification				Model
Contact form	Contact type	Contact material	Structure	
SPDT	Single crossbar	AG (Au Alloy)	Fully sealed	G5V-1

**Note:** When ordering, add the rated coil voltage to the model number.

Example: G5V-1 12 VDC

\_\_\_\_\_ Rated coil voltage

### Model Number Legend

G5V -   VDC

1 2

1. Contact Form  
1: SPDT

2. Rated Coil Voltage  
3, 5, 6, 9, 12, 24 VDC

## Specifications

### Coil Ratings

Rated voltage	3 VDC	5 VDC	6 VDC	9 VDC	12 VDC	24 VDC
Rated current	50 mA	30 mA	25 mA	16.7 mA	12.5 mA	6.25 mA
Coil resistance	60 Ω	167 Ω	240 Ω	540 Ω	960 Ω	3,840 Ω
Coil inductance	0.05	0.15	0.20	0.45	0.85	3.48
( $I_H$ ) (ref. value)	Armature OFF 0.11	Armature ON 0.29	0.41	0.93	1.63	6.61
Must operate voltage	80% max. of rated voltage					
Must release voltage	10% min. of rated voltage					
Max. voltage	200% of rated voltage at 23°C					
Power consumption	Approx. 150 mW					

**Note:** 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

2. Operating characteristics are measured at a coil temperature of 23°C.

3. The maximum voltage is the highest that can be imposed on the relay coil.