UL 60950 (File No.E108430)

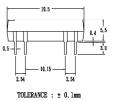
#### **Features**

- 1. Molded epoxy body.
- 2. Dip type construction with the same terminal pitch as ICs or TTLs simplifies PC board designing. In addition, the high sensitivity allows direct driving by TTL, etc.
- 3. Automatic insertion compatible.
- 4. Sealed construction permits automatic flow soldering and cleaning.
- 5. Diode & Magnetic shield are available.

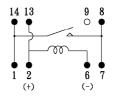
## Outside Dimension:Unit (mm)







# **Schematic:Top View**



## **Coil Ratings**

(AT 20°C)

| _                          |        | (Al 200) |
|----------------------------|--------|----------|
| Parameter                  | Rating | Unit     |
| Coil Resistance            | 1000   | Ω( ±10%) |
| Nominal Coil Voltage       | 12     | VDC      |
| Maximun Continuous Voltage | 20     | VDC      |
| Must Operate               | 9      | VDC      |
| Must Release               | 1.2    | VDC      |
| Rated Current              | 12     | mA       |

## **Electrical Characteristics**

| Parameter                                 | Rating           | Unit      |
|---|------------------|-----------|
| Contact Resistance                        | 100              | m Ω(max)  |
| Operate Time                              | 0.5              | ms(max)   |
| Bounce Time                               | 0.5              | ms(max)   |
| Release Time                              | 0.2              | ms(max)   |
| Insulation Resistance (100VDC)            | 10 <sup>11</sup> | Ω(min)    |
| Power                                     | 10               | VA(max)   |
| Switching Voltage                         | 200              | VDC(max)  |
| Switching Current                         | 0.5              | A(max)    |
| Carry Current                             | 1.0              | A(max)    |
| Breakdown Voltage ( Across Open Contact ) | 250              | VDC(min)  |
| ( Between Coil & Contact )                | 500              | VDC(min)  |
| Life Expectancy (Signal Level)            | 10 <sup>8</sup>  |           |
| Operating Temp                            | -40 to 85        | °C        |
| Storage Temp                              | -50 to125        | °C        |
| Resonant Frequency                        | 3.5              | KHZ       |
| Vibration ( 10-2000HZ )                   | 20               | g(max)    |
| Minimum Permissible Load                  | 100              | mVDC 10μA |