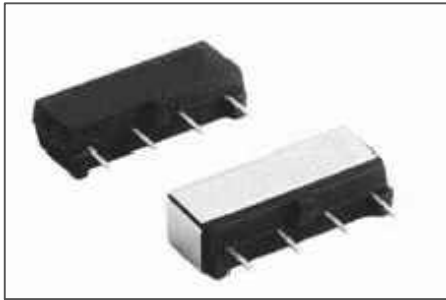


## SIP Reed Relays



## DESCRIPTION

SIP(Single-In-Line Package) Reed Relays reduce the required space to a minimum, Requiring only half the PCB area of the DIP or DIL series, the SIP relays offer all the advantages of Reed Technology. SIP Reed Relays have an internationally usual pin allocation and are thereby compatible to nearly all other manufacturers.

## FEATURES

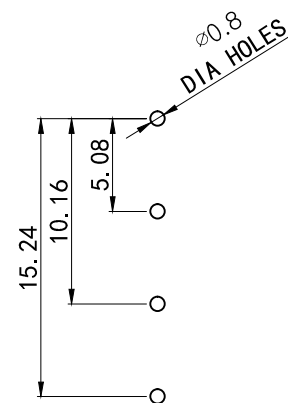
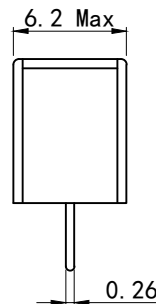
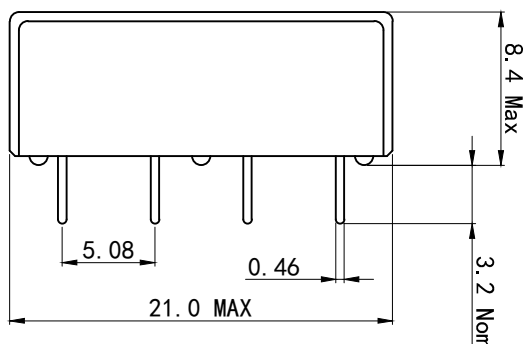
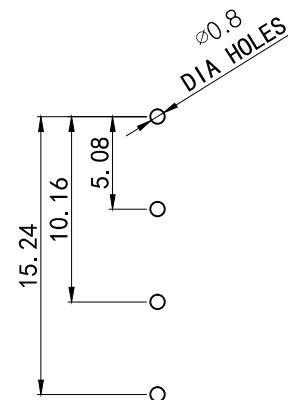
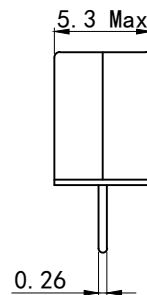
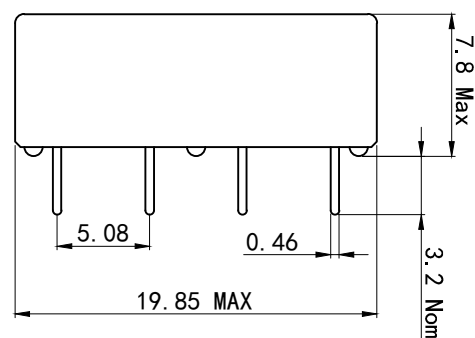
- Epoxy molded, single-in-line package.
- Can be immersed during board cleaning operations.
- High density board mounting.
- High isolation between input and output.
- Standard nominal coil voltage=5, 12 and 24 volts.
- Can be meet special requirements for coil voltage and/or coil resistance.

## APPLICATIONS

- ATE
- In-circuit tester
- Alarm & Security
- Consumer Electronic

## DIMENSIONS

all dimensions in mm



## RELAY DATA

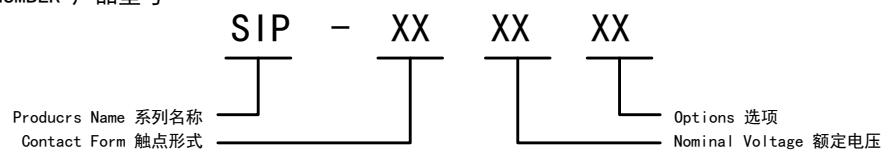
| All Data at 20°C                      | Contact Form →  | Form A                               |                  |      |       |
|---------------------------------------|---|--------------------------------------|------------------|------|-------|
| Contact Ratings                       | Conditions  | Min.                                 | Typ.             | Max. | Units |
| Switching Power                       | Any DC combination of V & A not to exceed their individual max.'s |                                      |                  | 10   | W     |
| Switching Voltage                     | DC or peak AC   |                                      |                  | 100  | V     |
| Switching Current                     | DC or peak AC   |                                      |                  | 1.0  | A     |
| Carry Current                         | DC or peak AC   |                                      |                  | 1.2  | A     |
| Static Contact Resistance             | w/ 0.5 V & 10mA   |                                      |                  | 160  | m Ω   |
| Dynamic Contact Resistance            | Measured w/ 0.5 V & 50mA ,<br>1.5 ms after closure                |                                      |                  | 200  | m Ω   |
| Insulation Resistance across Contacts | Across Contact<br>Coil - Contact                                  | 10 <sup>10</sup><br>10 <sup>12</sup> | 10 <sup>13</sup> |      | Ω     |
| Breakdown Voltage across Contacts     | Across Contact<br>Coil - Contact                                  | 220<br>1500                          |                  |      | VDC   |
| Operation Time incl. Bounce           | at nominal voltage  |                                      |                  | 0.5  | ms    |
| Release Time                          | with no coil suppression  |                                      |                  | 0.1  | ms    |
| Capacitance                           | Across Contact<br>Coil - Contact                                  |                                      | 0.4<br>2.0       |      | pF    |

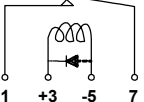
| Life Expectance           |                      |  |     |                        |
|---------------------------|----------------------|--|-----|------------------------|
| Switch Voltage 5V - 10 mA | DC <10 pF stray cap. |  | 100 | 10 <sup>6</sup> Cycles |

| Environmental Data    |                             |     |     |    |
|-----------------------|-----------------------------|-----|-----|----|
| Shock Resistance      | 1/2 sinus wave for 11 ms    |     | 50  | g  |
| Vibration Resistance  | 10 - 2000 Hz                |     | 20  | g  |
| Ambient Temperature   | 10°C/ minute max. allowable |     | 70  | °C |
| Stock Temperature     | 10°C/ minute max. allowable | -35 | 95  | °C |
| Soldering Temperature | 5 sec.                      |     | 260 | °C |

## ORDER INFORMATION

PART NUMBER 产品型号



| Picture | Part Number | Schematic Contact Form (Bottom View)  | Nominal Voltage (VDC) | Coil Resistance (ohms±10%) | Nominal Input Power(mW) | Must Release Voltage (VDC) | Must Operate Voltage (VDC) | Maximum Voltage (VDC) |
|---------|-------------|---|-----------------------|----------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
|         | SIP-1A05    | 1Form A   | 5                     | 500                        | 50                      | 3.75                       | 0.6                        | 15.0                  |
|         | SIP-1A12    |  | 12                    | 1000                       | 144                     | 8.60                       | 1.6                        | 30.0                  |
|         | SIP-1A24    |   | 24                    | 2000                       | 288                     | 17.50                      | 2.5                        | 40.0                  |

## Options:

Nil:Std Type

B:Diode

S:Magnetic Shield

BS:Diode and Magnetic Shield