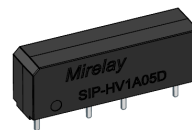
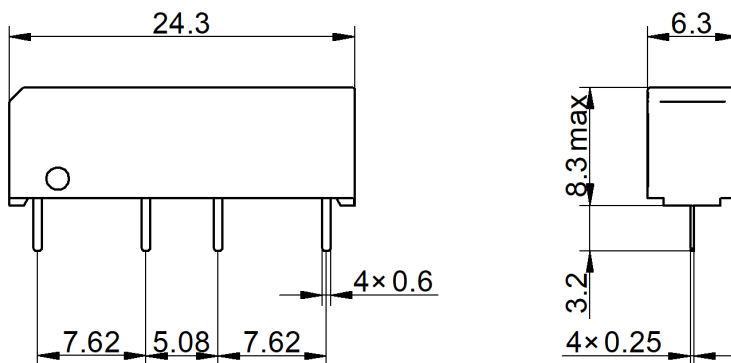


## SIP-HV1A05D

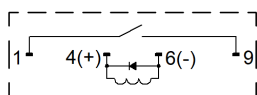
- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available



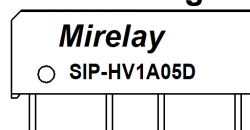
### Outline Dimension

 Unit: mm DIM Tolerance:  $\pm 0.3$ 


### Layout[Top View]



### Marking



### Coil Parameters (at 20°C)

Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage
5 VDC	42 mA	120 $\pm$ 10% $\Omega$	3.5 VDC	0.5 VDC

### Contact Parameters

Contact Form	1 Form A	Max Contact Rating	100 W
Max Switch Voltage	1.5 kVDC	Max Switch Current	1.0 A
Max Carrying Current	2.5 A	Min Breakdown Voltage	4 kVDC
Max Contact Resistance	150 m $\Omega$	Life Expectancy (Electrical) (at 5 VDC 10mA)	5 $\times$ 10 <sup>8</sup> ops

### Electrical Specifications

Dielectric Strength (Static,min)	Open contacts	4 kVDC	Insulation Resistance (min./typ.) Rh<45%, 200V Test Voltage	Open contacts	1×10 <sup>12</sup> Ω
	Contact to coil	4 kVDC		Contact to coil	1×10 <sup>12</sup> Ω
Operate Time,incl.Bounce		1.0 ms	Capacitance	Across Open Switch	0.5 pF
Reset Time		0.25 ms			

### Environmental data

Vibration (10 to 2KHz 1.5mm )	20 G	Shock (1/2 sine wave duration 11ms )	50 G
Operating Temperature	-40°C ~ 85°C	Storage Temperature	-40°C ~ 105°C
Soldering Temperature (5 sec. dwell)	260°C	Washability	fully sealed

### Example of order marking

Product model	Contact form	Nominal Coil Voltage	Option	Special code
SIP-HV	1A: 1 Form A	05: 5 VDC	D: Diode	Nil

Remark:

**RoHS**

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

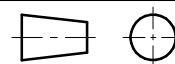
8th,Jan,2025

TITLE

High Voltage Reed Relay

P/N

SIP-HV1A05D



Version: 04

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