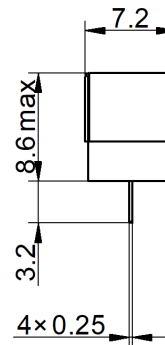
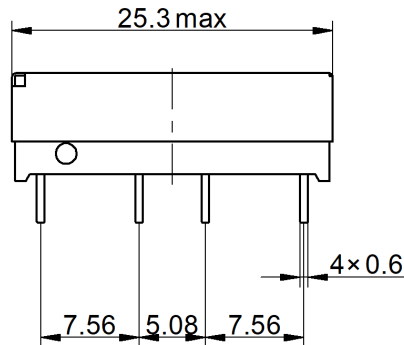


## SIP-HV1A05DS

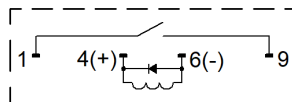
- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available



### Outline Dimension

 Unit: mm DIM Tolerance:  $\pm 0.3$ 


### Layout[Top View]



### Marking

**Mirelay**  
SIP-HV1A05DS

### 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	$1\times10^{12}\Omega$
	Contact to coil	4 kVDC		Contact to coil	$1\times10^{12}\Omega$
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

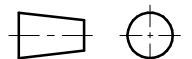
Product model	Contact form	Nominal Coil Voltage	Option	Special code
SIP-HV	1A: 1 Form A	05: 5 VDC	DS: Diode+Magnetic Shield	Nil

Remark:

**RoHS**

Make	Li Linmao
Checke	Hu Shu
Approved	Dong Hu
Date	8th,Jan,2025

TITLE  
High Voltage Reed Relay  
P/N  
SIP-HV1A05DS



Version: 04  
Page: 1/1