

## SIP-HV1A05

### High Voltage Reed Relay

#### PRODUCT VISUAL



exact external product image with matching model marking

#### KEY RATINGS

COIL VOLTAGE  
**5 VDC**

CONTACT FORM  
**1 Form A**

SWITCH VOLTAGE  
**1.5 kVDC**

CONTACT RATING  
**100 W**

#### OVERVIEW

- High voltage reed relay
- Breakdown up to 4 kVDC
- Custom design available
- Low contact resistance
- Excellent lifetime characteristics

#### COIL DATA

Nominal Coil Voltage	5 VDC
Nominal Current	42 mA
Coil Resistance	120±10% Ω
Max Pull-in Voltage	3.5 VDC
Min Drop-out Voltage	0.5 VDC

#### CONTACT RATINGS

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 mΩ
Life Expectancy	5×10 <sup>8</sup> ops @5V 10mA

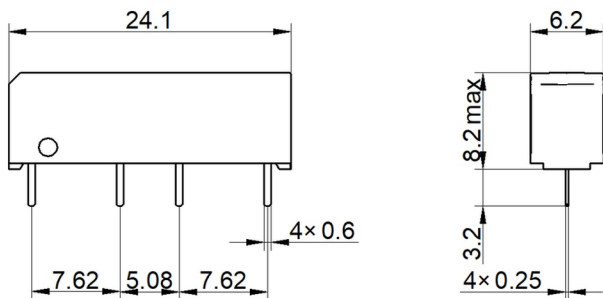
#### ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	4 kVDC
Dielectric Contact/Coil	4 kVDC
Insulation Open Contacts	1×10 <sup>12</sup> Ω
Insulation Contact/Coil	1×10 <sup>12</sup> Ω
Operate Time incl. Bounce	1.0 ms
Reset Time	0.25 ms
Capacitance	0.5 pF across open switch

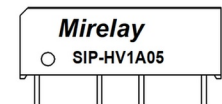
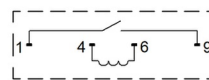
#### ENVIRONMENTAL / OPTIONS

Vibration	20 G, 10-2KHz 1.5mm
Shock	50 G, 11ms half-sine
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +105°C
Soldering Temperature	260°C, 5 sec dwell
Washability	Fully sealed

#### MECHANICAL OUTLINE / DIMENSIONS



#### CIRCUIT / MARKING / TERMINAL VIEW



#### ORDERING & SOURCE TRACEABILITY

SIP-HV1A05 — SIP-HV, 1A = 1 Form A, 05 = 5 VDC, Nil = Standard Type, Special = Nil

Source: SIP-HV1A05.pdf

Technical values are preserved from source PDFs / generated metadata. Original outline and circuit figures are reused where available; do not treat artwork proportions as standalone dimensional authority.