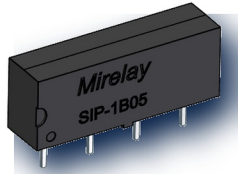


## SIP-1B05

### High Voltage Reed Relay

#### PRODUCT VISUAL



exact model image extracted from source pdf

#### KEY RATINGS

COIL VOLTAGE

**5 VDC**

CONTACT FORM

**1 Form B**

SWITCH VOLTAGE

**175 VDC**

CONTACT RATING

**5 W**

#### OVERVIEW

- Hermetically sealed for long life
- Excellent lifetime characteristics
- Low contact resistance
- Custom design available

#### COIL DATA

Nominal Coil Voltage	<b>5 VDC</b>
Nominal Current	<b>10 mA</b>
Coil Resistance	<b>500±10% Ω</b>
Max Pull-in Voltage	<b>3.8 VDC</b>
Min Drop-out Voltage	<b>0.6 VDC</b>

#### CONTACT RATINGS

Contact Form	<b>1 Form B</b>
Max Contact Rating	<b>5 W</b>
Max Switch Voltage	<b>175 VDC</b>
Max Switch Current	<b>0.25 A</b>
Max Carrying Current	<b>1.5 A</b>
Min Breakdown Voltage	<b>200 VDC</b>
Max Contact Resistance	<b>200 mΩ</b>
Life Expectancy	<b>5×10<sup>7</sup> ops @10VDC 10mA</b>

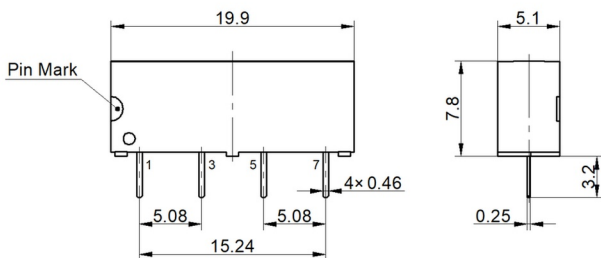
#### ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	<b>200 VDC</b>
Dielectric Contact/Coil	<b>1.4 kVDC</b>
Insulation Open Contacts	<b>1×10<sup>10</sup> Ω</b>
Insulation Contact/Coil	<b>1×10<sup>10</sup> Ω</b>
Operate Time incl. Bounce	<b>0.7 ms</b>
Reset Time	<b>1.0 ms</b>
Capacitance	<b>1.0 pF across open switch</b>

#### ENVIRONMENTAL / OPTIONS

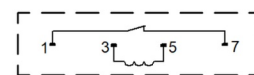
Vibration	<b>20 G, 10-2KHz 1.5mm</b>
Shock	<b>50 G, 11ms half-sine</b>
Operating Temperature	<b>-40°C to +85°C</b>
Storage Temperature	<b>-40°C to +105°C</b>
Soldering Temperature	<b>260°C, 5 sec dwell</b>
Washability	<b>Fully sealed</b>

#### MECHANICAL OUTLINE / DIMENSIONS



#### CIRCUIT / MARKING / TERMINAL VIEW

#### Layout[Top View]



#### ORDERING & SOURCE TRACEABILITY

**SIP-1B05** — SIP product model, 1B = 1 Form B contact, 05 = 5 VDC coil, Option = Nil, Special code = Nil

Source: SIP-1B05.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.