

SIP-1A05B

High Voltage Reed Relay

PRODUCT VISUAL



exact external product image plus source package layout

KEY RATINGS

COIL VOLTAGE

5 VDC

CONTACT FORM

1 Form A

SWITCH VOLTAGE

200 VDC

OPTION

B: Diode

OVERVIEW

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

COIL DATA

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

CONTACT RATINGS

Contact Form	1 Form A
Max Contact Rating	10 W
Max Switch Voltage	200 VDC
Max Switch Current	0.5 A
Max Carrying Current	1.0 A
Min Breakdown Voltage	250 VDC
Max Contact Resistance	150 mΩ
Life Expectancy	5×10⁷ ops @10VDC 10mA

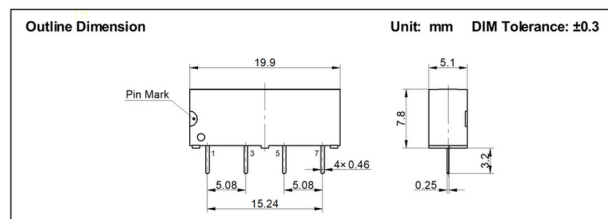
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	250 VDC
Dielectric Contact/Coil	1.4 kVDC
Insulation Open Contacts	1×10¹⁰ Ω
Insulation Contact/Coil	1×10¹⁰ Ω
Operate Time incl. Bounce	0.3 ms
Reset Time	0.3 ms
Capacitance	1.0 pF across open switch

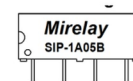
ENVIRONMENTAL / OPTIONS

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-1A05B — SIP product model, 1 Form A, 05 = 5 VDC coil, B = Diode option

Source: SIP-1A05B.pdf

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