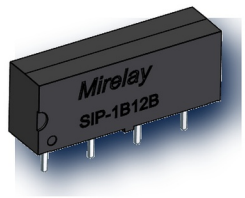
SIP-1B12B

High Voltage Reed Relay

PRODUCT VISUAL



exact model image extracted from source pdf with diode layout

KEY RATINGS

COIL VOLTAGE	12 VDC
CONTACT FORM	1 Form B
SWITCH VOLTAGE	175 VDC
OPTION	B: Diode

OVERVIEW

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

COIL DATA

Nominal Coil Voltage	12 VDC
Nominal Current	12 mA
Coil Resistance	1000±10% Ω
Max Pull-in Voltage	8.6 VDC
Min Drop-out Voltage	1.5 VDC

CONTACT RATINGS

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

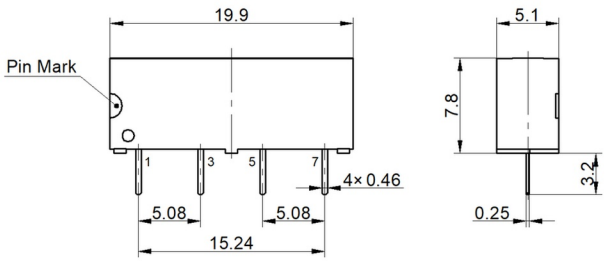
ELECTRICAL CHARACTERISTICS

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

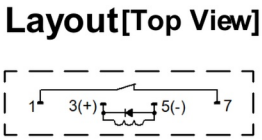
ENVIRONMENTAL / OPTIONS

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-1B12B — SIP product model, 1B = 1 Form B contact, 12 = 12 VDC coil, B = Diode option, Special code = Nil

Source: SIP-1B12B.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.