

SIP-1B12

High Voltage Reed Relay

PRODUCT VISUAL



exact model image extracted from source pdf

KEY RATINGS

COIL VOLTAGE
12 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	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	5×10⁷ ops @10VDC 10mA

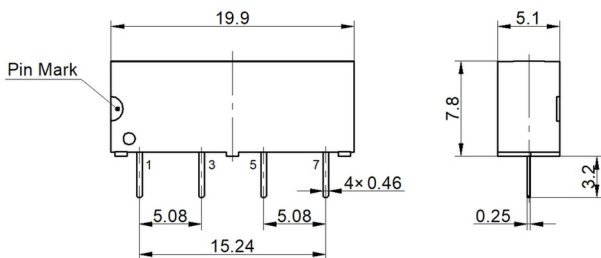
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	200 VDC
Dielectric Contact/Coil	1.4 kVDC
Insulation Open Contacts	1×10¹⁰ Ω
Insulation Contact/Coil	1×10¹⁰ Ω
Operate Time incl. Bounce	0.7 ms
Reset Time	1.0 ms
Capacitance	1.0 pF across open switch

ENVIRONMENTAL / OPTIONS

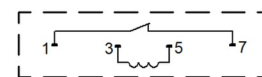
Vibration	20 G, 10-2KHz 1.5mm
Shock	50 G, 11ms half-sine
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +105°C
Soldering Temperature	260°C, 5 sec dwell
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW

Layout [Top View]



ORDERING & SOURCE TRACEABILITY

SIP-1B12 – SIP product model, **1B** = 1 Form B contact, **12** = 12 VDC coil, Option = Nil, Special code = Nil

Source: SIP-1B12.pdf

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