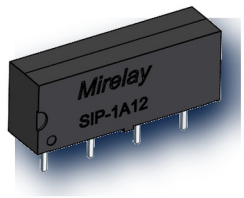
SIP-1A12

High Voltage Reed Relay

PRODUCT VISUAL



exact model image extracted from source pdf

KEY RATINGS

COIL VOLTAGE	12 VDC
CONTACT FORM	1 Form A
SWITCH VOLTAGE	200 VDC
CONTACT RATING	10 W

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 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	5×10^7 ops @10VDC 10mA

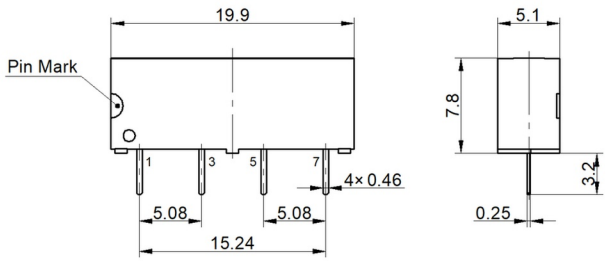
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	250 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	0.3 ms
Reset Time	0.3 ms
Capacitance	1.0 pF across open switch

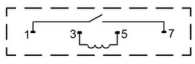
ENVIRONMENTAL / OPTIONS

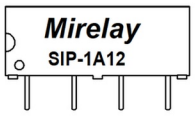
Vibration	20 G, 10-2KHz 1.5mm
Shock	50 G, 11ms half-sine
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +105°C
Soldering Temperature	260°C, 5 sec dwell
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW





ORDERING & SOURCE TRACEABILITY

SIP-1A12 — SIP product model, 1 Form A contact, 12 = 12 VDC coil, no option/special code

Source: SIP-1A12.pdf

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