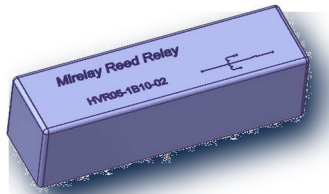


HVR05-1B10-02

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr05 1b10 02 marking

KEY RATINGS

COIL VOLTAGE
5 VDC

CONTACT FORM
1 Form B

SWITCH VOLTAGE
7.5 kVDC

CONTACT RATING
50 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 10 kVDC
- Custom design available
- Low contact resistance
- Excellent lifetime characteristics

COIL DATA

Nominal Coil Voltage	5 VDC
Nominal Current	167 mA
Coil Resistance	30±10% Ω
Max Pull-in Voltage	4 VDC
Min Drop-out Voltage	0.5 VDC

CONTACT RATINGS

Contact Form	1 Form B
Max Contact Rating	50 W
Max Switch Voltage	7.5 kVDC
Max Switch Current	3.0 A
Max Carrying Current	5.0 A
Min Breakdown Voltage	10 kVDC
Max Contact Resistance	150 mΩ
Life Expectancy	5×10⁷ ops @500V 100mA

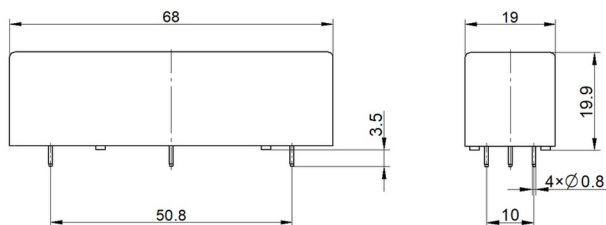
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	10 kVDC
Dielectric Contact/Coil	15 kVDC
Insulation Open Contacts	1×10¹² Ω
Insulation Contact/Coil	1×10¹² Ω
Operate Time incl. Bounce	2.0 ms
Reset Time	2.0 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	-20°C to +70°C
Storage Temperature	-35°C to +105°C
Soldering Temperature	260°C, 5 sec max
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW



Mirelay Reed Relay
HVR05-1B10-02

ORDERING & SOURCE TRACEABILITY

HVR05-1B10-02 — HVR, 05 = 5 VDC, 1B = 1 Form B, 10 = 10 kVDC, Pin Out = 02, Special = blank

Source: HVR05-1B10-02.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.