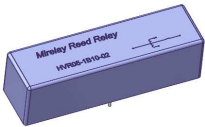


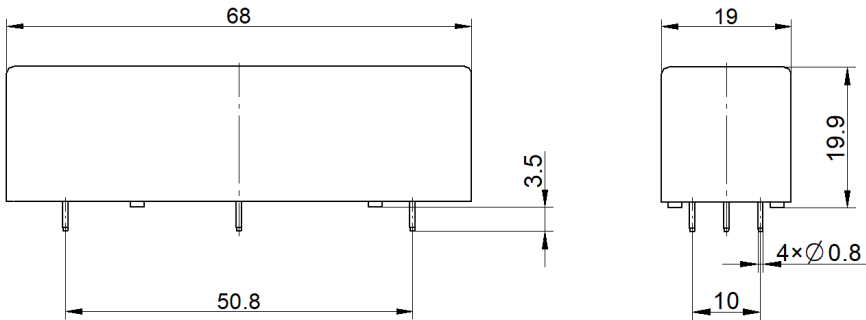
HVR05-1B10-02

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 10 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

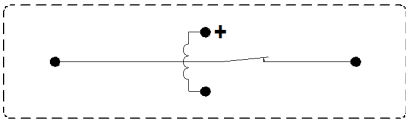


Outline Dimension

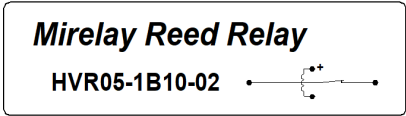
Unit: mm DIM Tolerance: ±0.3



Layout[Top View]



Marking



Coil Parameters (at 20℃)

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

Contact Parameters

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 (Electrical) (at 500 VDC 100mA)	5×10 ⁷ ops

Electrical Specifications

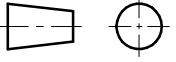
Dielectric Strength (Static,min)	Open contacts	10 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1×10 ¹² Ω
	Contact to coil	15 kVDC		Contact to coil	1×10 ¹² Ω
Operate Time,incl.Bounce		2.0 ms	Capacitance	Across Open Switch	1.0 pF
Reset Time		2.0 ms			

Environmental data

Vibration (10 to 2KHz 1.5mm)	20 G	Shock (1/2 sine wave duration 11ms)	50 G
Operating Temperature	-20℃ ~ 70℃	Storage Temperature	-35℃ ~ 105℃
Soldering Temperature (5 sec. dwell)	260℃	Washability	fully sealed

Example of order marking

Product model	Nominal Coil Voltage	Contact form	Breakdown Voltage	Pin Out	Special code
HVR	05: 5 VDC	1B: 1 Form B	10: 10 kVDC	02	

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N HVR05-1B10-02	 Version: 04 Page: 1/1
	Checke	Hu Shu		
	Approved	Dong Hu		
	Date	30th,Dec,2024		