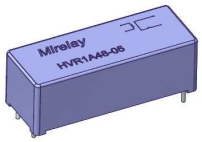
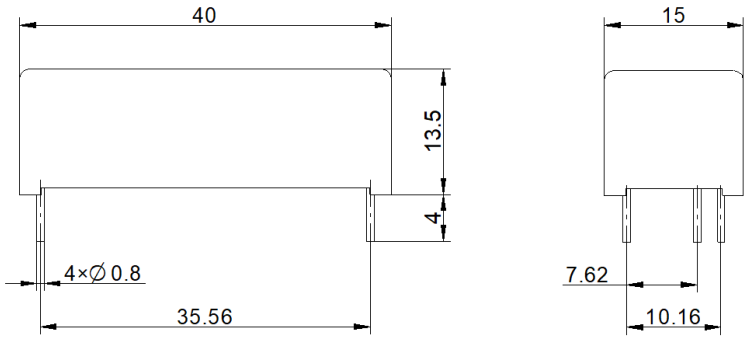
HVR1A48-05

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 3 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

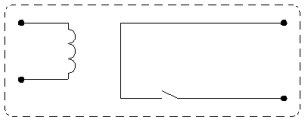


Outline Dimension

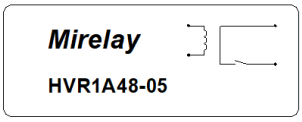
Unit: mm DIM Tolerance: ±0.3



Layout [Top View]



Marking



Coil Parameters (at 20℃)

Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage
48 VDC	9mA	5530±10% Ω	38 VDC	4 VDC

Contact Parameters

Contact Form	1 Form A	Max Contact Rating	100 W
Max Switch Voltage	1 kVDC	Max Switch Current	1.0 A
Max Carrying Current	2.5 A	Min Breakdown Voltage	3 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	3 kVDC	Insulation Resistance (min./typ.) Rh<45%, 200V Test Voltage	Open contacts	1×10^{12} Ω
	Contact to coil	15 kVDC		Contact to coil	1×10^{12} Ω
Operate Time,incl.Bounce		1.0 ms	Capacitance	Across Open Switch	0.5 pF
Reset Time		0.1 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	-40℃ ~ 105℃
Soldering Temperature (5 sec. dwell)	260℃	Washability	fully sealed

Example of order marking

Product model	Contact form	Nominal Coil Voltage		Pin Out		Special code
HVR	1A：1 Form A	48：48 VDC	—	05		Nil

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay	
	Checke	Hu Shu		
	Approved	Dong Hu	P/N HVR1A48-05	Version: 04
	Date	22th,Apr,2026		Page: 1/1