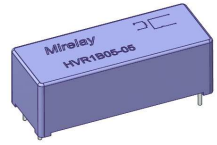
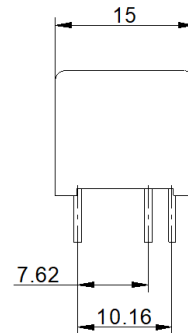
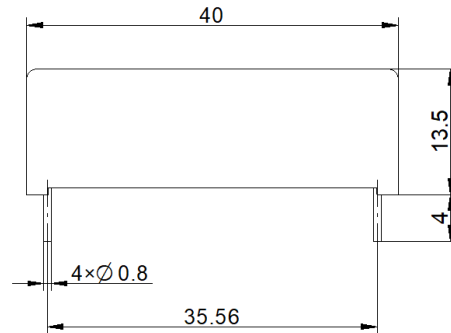
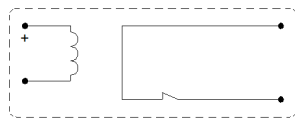
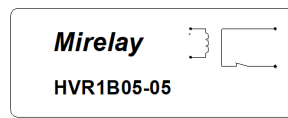


HVR1B05-05

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 2 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	71 mA	70±10% Ω	4 VDC	0.5 VDC

Contact Parameters

Contact Form	1 Form B	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	2 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	2 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

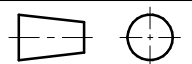
Product model	Contact form	Nominal Coil Voltage	Pin Out	Special code
HVR	1B: 1 Form B	05: 5 VDC	05	Nil

Remark:

RoHS

Make	Li Linmao
Checke	Hu Shu
Approved	Dong Hu
Date	8th,Jan,2025

TITLE	High Voltage Reed Relay
P/N	HVR1B05-05



Version: 04
Page: 1/1