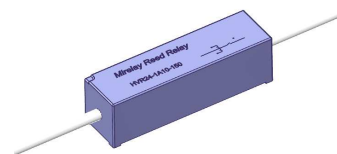


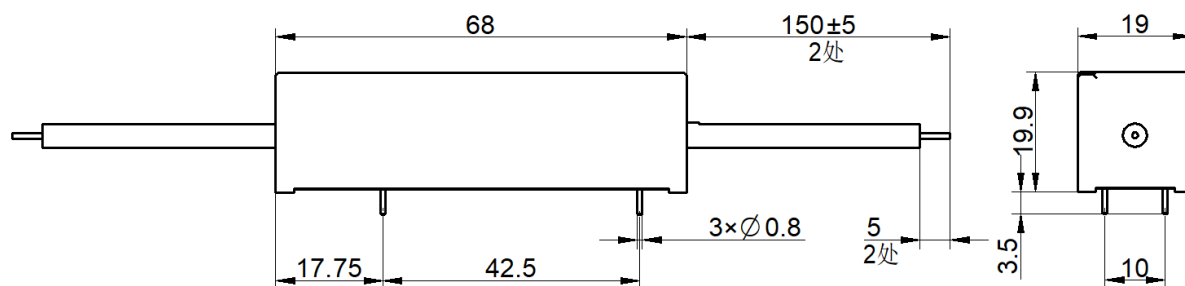
## HVR24-1A10-150

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

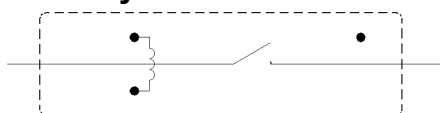


### Outline Dimension

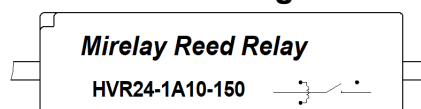
Unit: mm DIM Tolerance: ±0.3



### Layout[Top View]



### Marking



### Coil Parameters (at 20℃)

| Nominal Coil Voltage | Nominal Current | Coil Resistance | Max Pull-in Voltage | Min Drop-out Voltage |
|----------------------|-----------------|-----------------|---------------------|----------------------|
| 24 VDC               | 40 mA           | 600±10% Ω       | 18 VDC              | 2 VDC                |

### Contact Parameters

|                        |          |                                                    |                       |
|------------------------|----------|----------------------------------------------------|-----------------------|
| Contact Form           | 1 Form A | 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)<br>(at 500 VDC 100mA) | 5×10 <sup>7</sup> ops |

### Electrical Specifications

|                                     |                 |             |                                                                |                 |                      |
|-------------------------------------|-----------------|-------------|----------------------------------------------------------------|-----------------|----------------------|
| Dielectric Strength<br>(Static,min) | Open contacts   | 10 kVDC     | Insulation Resistance<br>(min./typ.) Rh<45%, 100V Test Voltage | Open contacts   | 1×10 <sup>12</sup> Ω |
|                                     | Contact to coil | 15 kVDC     |                                                                | Contact to coil | 1×10 <sup>12</sup> Ω |
| Operate Time,incl.Bounce            | 3.0 ms          | Capacitance | Across Open Switch                                             | 1.0 pF          |                      |
| Reset Time                          | 1.5 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           | 24: 24 VDC           | 1A: 1 Form A | 10: 10 kVDC       | 150     | Nil          |

Remark:

**RoHS**

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

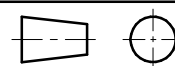
23th,Dec,2024

TITLE

High Voltage Reed Relay

P/N

HVR24-1A10-150



Version: 04

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