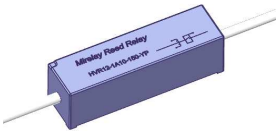


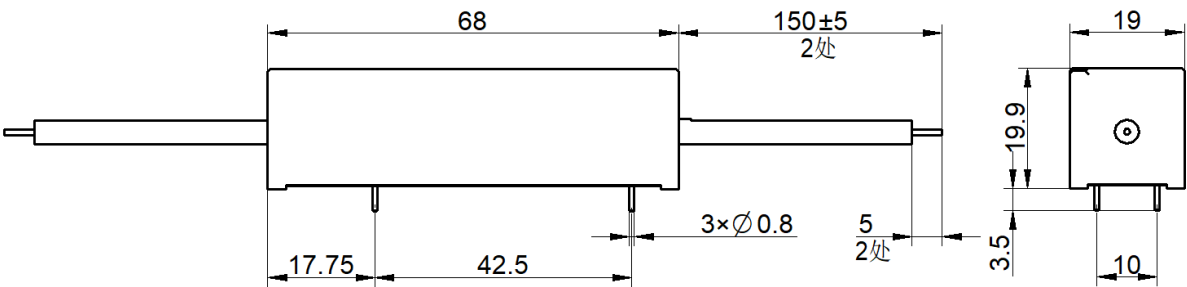
HVR12-1A10-150-YP

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

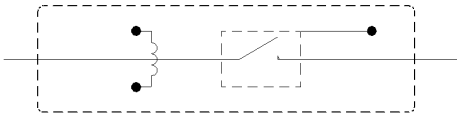


Outline Dimension

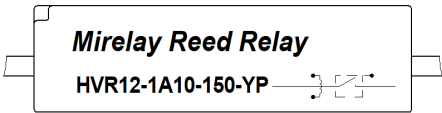
Unit: mm    DIM Tolerance: ±0.3



Layout[Top View]



Marking



| Coil Parameters (at 20℃)             |                      |                                                    |                                                                |                      |                      |
|--------------------------------------|----------------------|----------------------------------------------------|----------------------------------------------------------------|----------------------|----------------------|
| Nominal Coil Voltage                 | Nominal Current      | Coil Resistance                                    | Max Pull-in Voltage                                            | Min Drop-out Voltage |                      |
| 12 VDC                               | 60 mA                | 200±10% Ω                                          | 9 VDC                                                          | 1 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 |
|                                      | Contact to shield    | 15 kVDC                                            |                                                                | Contact to shield    | 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                                  | 12: 12 VDC           | 1A: 1 Form A                                       | 10: 10 kVDC                                                    | 150                  | YP                   |

|                            |          |               |                                                                  |                                                                                                                   |
|----------------------------|----------|---------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Remark:<br><br><b>RoHS</b> | Make     | Li Linmao     | TITLE<br>High Voltage Reed Relay<br><br>P/N<br>HVR12-1A10-150-YP | <br>Version: 04<br>Page: 1/1 |
|                            | Checke   | Hu Shu        |                                                                  |                                                                                                                   |
|                            | Approved | Dong Hu       |                                                                  |                                                                                                                   |
|                            | Date     | 30th,Dec,2024 |                                                                  |                                                                                                                   |