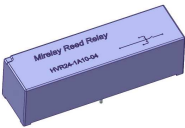


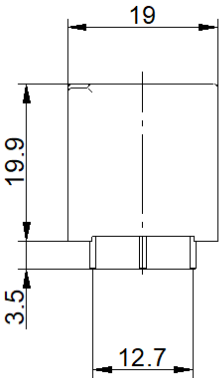
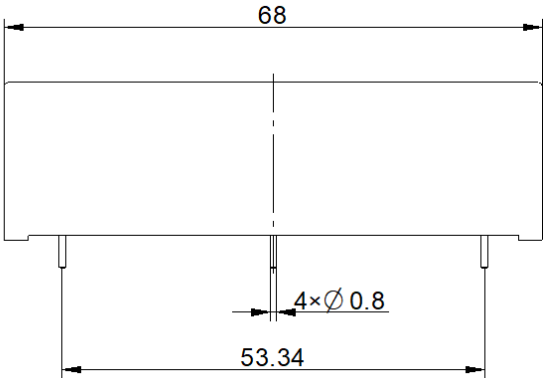
HVR24-1A10-04

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

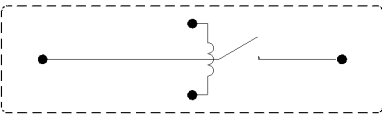


Outline Dimension

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

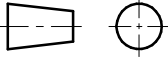
|                                     |                 |         |                                                                |                    |                      |
|-------------------------------------|-----------------|---------|----------------------------------------------------------------|--------------------|----------------------|
| 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       | 04      | Nil          |

|                            |          |               |                                                              |                                                                                                                   |
|----------------------------|----------|---------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Remark:<br><br><b>RoHS</b> | Make     | Li Linmao     | TITLE<br>High Voltage Reed Relay<br><br>P/N<br>HVR24-1A10-04 | <br>Version: 04<br>Page: 1/1 |
|                            | Checke   | Hu Shu        |                                                              |                                                                                                                   |
|                            | Approved | Dong Hu       |                                                              |                                                                                                                   |
|                            | Date     | 23th,Dec,2024 |                                                              |                                                                                                                   |