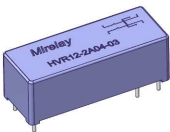


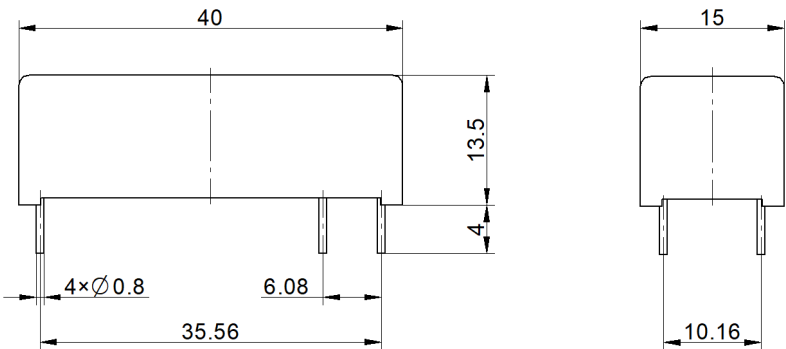
HVR12-2A04-03

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

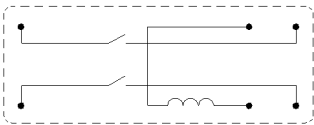


Outline Dimension

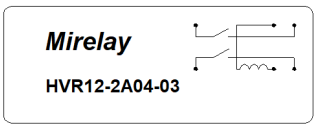
Unit: mm    DIM Tolerance: ±0.3



Layout[Top View]



Marking



| Coil Parameters (at 20℃)              |  |                       |                      |                                      |  |
|---------------------------------------|--|-----------------------|----------------------|--------------------------------------|--|
| Nominal Coil Voltage                  |  | Nominal Current       |                      | Coil Resistance                      |  |
| 12 VDC                                |  | 30 mA                 |                      | 400±10% Ω                            |  |
| Max Pull-in Voltage                   |  |                       | Min Drop-out Voltage |                                      |  |
| 9 VDC                                 |  |                       | 1 VDC                |                                      |  |
| Contact Parameters                    |  |                       |                      |                                      |  |
| Contact Form                          |  | 2 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 |                      | 4 kVDC                               |  |
| Max Contact Resistance                |  | 100 mΩ                |                      | Life Expectancy (Electrical)         |  |
| (at 500 VDC 100mA)                    |  | 5×10 <sup>7</sup> ops |                      |                                      |  |
| Electrical Specifications             |  |                       |                      |                                      |  |
| Dielectric Strength                   |  | Open contacts         |                      | 4 kVDC                               |  |
| (Static,min)                          |  | Contact to coil       |                      | 6 kVDC                               |  |
| Insulation Resistance                 |  | Open contacts         |                      | 1×10 <sup>12</sup> Ω                 |  |
| (min./typ.) Rh<45%, 100V Test Voltage |  | Contact to coil       |                      | 1×10 <sup>12</sup> Ω                 |  |
| Operate Time,incl.Bounce              |  | 1.0 ms                |                      | Capacitance                          |  |
| Reset Time                            |  | 0.1 ms                |                      | Across Open Switch                   |  |
| 0.5 pF                                |  |                       |                      |                                      |  |
| 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            |                      | —                                    |  |
| 2A: 2 Form A                          |  | 04: 4 kVDC            |                      | —                                    |  |
| 03                                    |  | Nil                   |                      |                                      |  |

|                            |          |              |                                                              |                              |
|----------------------------|----------|--------------|--------------------------------------------------------------|------------------------------|
| Remark:<br><br><b>RoHS</b> | Make     | Li Linmao    | TITLE<br>High Voltage Reed Relay<br><br>P/N<br>HVR12-2A04-03 | <br>Version: 04<br>Page: 1/1 |
|                            | Checke   | Hu Shu       |                                                              |                              |
|                            | Approved | Dong Hu      |                                                              |                              |
|                            | Date     | 8th,Jan,2025 |                                                              |                              |