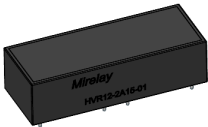


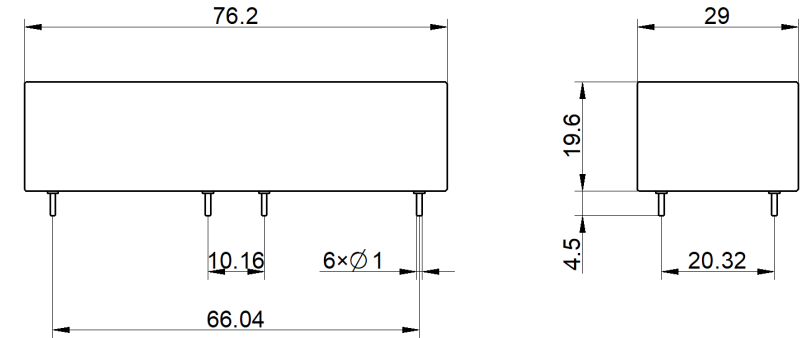
HVR12-2A15-01

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 15 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

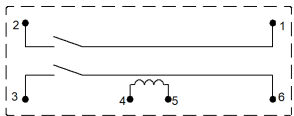


Outline Dimension

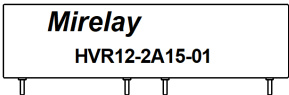
Unit: mm    DIM Tolerance: ±0.3



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               | 80mA            | 150±10% Ω       | 9 VDC               | 1 VDC                |

Contact Parameters

|                        |          |                                                    |                       |
|------------------------|----------|----------------------------------------------------|-----------------------|
| Contact Form           | 2 Form A | Max Contact Rating                                 | 50 W                  |
| Max Switch Voltage     | 10 kVDC  | Max Switch Current                                 | 3.0 A                 |
| Max Carrying Current   | 5.0 A    | Min Breakdown Voltage                              | 15 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   | 15 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            |                 | 3.5 ms  | Capacitance                                                    | Across Open Switch | 1.0 pF               |
| Reset Time                          |                 | 2.0 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           | 2A: 2 Form A | 15: 15 kVDC       | 01      | Nil          |

|                            |          |               |                                                              |                              |
|----------------------------|----------|---------------|--------------------------------------------------------------|------------------------------|
| Remark:<br><br><b>RoHS</b> | Make     | Li Linmao     | TITLE<br>High Voltage Reed Relay<br><br>P/N<br>HVR12-2A15-01 | <br>Version: 04<br>Page: 1/1 |
|                            | Checke   | Hu Shu        |                                                              |                              |
|                            | Approved | Dong Hu       |                                                              |                              |
|                            | Date     | 30th,Dec,2024 |                                                              |                              |