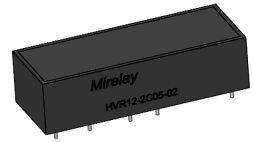
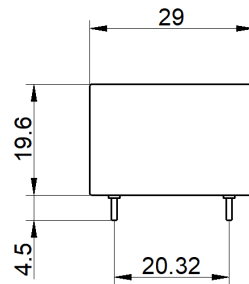
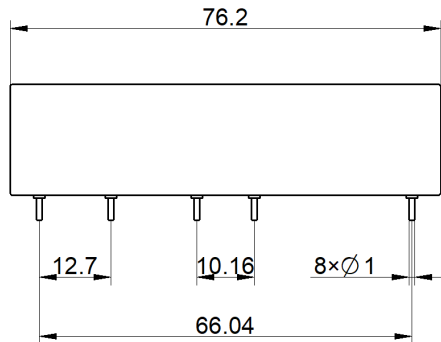
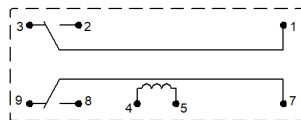


**HVR12-2C05-02**

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 5 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

**Outline Dimension****Unit: mm DIM Tolerance: ±0.3****Layout[Top View]****Marking****Coil Parameters (at 20°C)**

| Nominal Coil Voltage | Nominal Current | Coil Resistance | Max Pull-in Voltage | Min Drop-out Voltage |
|----------------------|-----------------|-----------------|---------------------|----------------------|
| 12 VDC               | 46 mA           | 260±10% Ω       | 9 VDC               | 1 VDC                |

**Contact Parameters**

|                        |          |                                                    |                       |
|------------------------|----------|----------------------------------------------------|-----------------------|
| Contact Form           | 2 Form C | Max Contact Rating                                 | 50 W                  |
| Max Switch Voltage     | 2.5 kVDC | Max Switch Current                                 | 3.0 A                 |
| Max Carrying Current   | 3.2 A    | Min Breakdown Voltage                              | 5 kVDC                |
| Max Contact Resistance | 300 mΩ   | Life Expectancy (Electrical)<br>(at 500 VDC 100mA) | 5×10 <sup>7</sup> ops |

**Electrical Specifications**

|                                     |                 |        |                                                                |                    |                      |
|-------------------------------------|-----------------|--------|----------------------------------------------------------------|--------------------|----------------------|
| Dielectric Strength<br>(Static,min) | Open contacts   | 5 kVDC | Insulation Resistance<br>(min./typ.) Rh<45%, 100V Test Voltage | Open contacts      | 1×10 <sup>12</sup> Ω |
|                                     | Contact to coil | 5 kVDC |                                                                | Contact to coil    | 1×10 <sup>12</sup> Ω |
| Operate Time,incl.Bounce            |                 | 3.0 ms | Capacitance                                                    | Across Open Switch | 3.3 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°C ~ 70°C | Storage Temperature                  | -35°C ~ 105°C |
| Soldering Temperature (5 sec. dwell) | 260°C        | Washability                          | fully sealed  |

**Example of order marking**

| Product model | Nominal Coil Voltage | Contact form | Breakdown Voltage | Pin Out | Special code |
|---------------|----------------------|--------------|-------------------|---------|--------------|
| HVR           | 12: 12 VDC           | 2C: 2 Form C | 05: 5 kVDC        | 02      | Nil          |

Remark:

**RoHS**

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

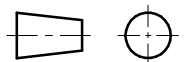
9th, Apr, 2026

TITLE

High Voltage Reed Relay

P/N

HVR12-2C05-02



Version: 04

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