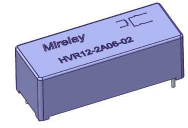


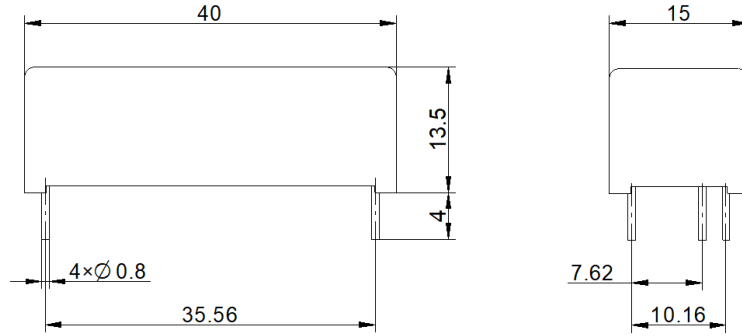
HVR12-2A06-02

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 6 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

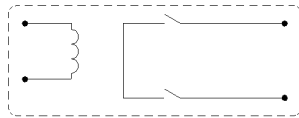


Outline Dimension

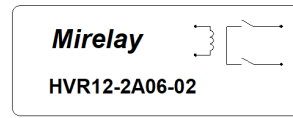
Unit: mm DIM Tolerance: ±0.3



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 | 30 mA | 400±10% Ω | 9 VDC | 1 VDC |

Contact Parameters

| | | | |
|------------------------|----------|--|-----------------------|
| Contact Form | 1 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 | 6 kVDC |
| Max Contact Resistance | 300 mΩ | Life Expectancy (Electrical) (at 500 VDC 100mA) | 5×10 ⁷ ops |

Electrical Specifications

| | | | | | |
|-------------------------------------|-----------------|-------------|--|-----------------|----------------------|
| Dielectric Strength (Static,min) | Open contacts | 6 kVDC | Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage | Open contacts | 1×10 ¹² Ω |
| | Contact to coil | 15 kVDC | | Contact to coil | 1×10 ¹² Ω |
| Operate Time,incl.Bounce | 1.0 ms | Capacitance | Across Open Switch | 0.5 pF | |
| Reset Time | 0.1 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 | 2A: 1 Form A | 06: 6 kVDC | 02 | Nil |

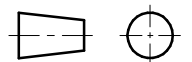
Remark:

RoHS

| | |
|----------|--------------|
| Make | Li Linmao |
| Checke | Hu Shu |
| Approved | Dong Hu |
| Date | 8th,Jan,2025 |

TITLE
High Voltage Reed Relay

P/N
HVR12-2A06-02



Version: 04
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