

PUBLIC PRODUCT DATASHEET

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HVR05-2A04-02 is part of the High Voltage Reed Relay range from SHR MiRelay. This English public datasheet has been rebuilt under the current SHR AUTOSENSOR TECH LIMITED identity for customer selection, sample purchase and RFQ support.

Product Family High Voltage Reed Relay	Model HVR05-2A04-02	Purchase Path Sample order or RFQ confirmation
Manufacturer SHR AUTOSENSOR TECH LIMITED	Website www.reed-relay.com	Sales Contact sales@reed-relay.com
Contact Form (at 500 VDC 100mA)	Contact Rating Coil Resistance	Contact Resistance Max Switch CurrentMax Switch Voltage
Insulation Resistance P/N	Operate Time 0.5 pF0.1 ms Across Open Switch	Operating Temperature erature Storage Temperature-20 deg C - 70 deg C --5 deg C - 105 deg C

Key Features

- Dielectric Strength Insulation Resistance
- High Voltage Reed Relay
- • High Voltage Reed Relay
- • Low Contact Resistance
- • Custom Design Available
- Soldering Temperature (5 sec. dwell) 220 deg C Washability fully sealed

Technical Specifications

Parameter	Value
Contact Form	(at 500 VDC 100mA)
Contact Rating	Coil Resistance
Contact Resistance	Max Switch CurrentMax Switch Voltage
Insulation Resistance	P/N
Operate Time	0.5 pF0.1 ms Across Open Switch
Operating Temperature	erature Storage Temperature-20 deg C - 70 deg C --5 deg C - 105 deg C
Storage Temperature	erature-20 deg C - 70 deg C --5 deg C - 105 deg C

Specification Notes

Max Carrying Current

Max Contact Resistance

Max Switch CurrentMax Switch Voltage

Max Contact Rating

Coil Resistance

Coil Parameters (at 20) deg C

Dielectric Strength Insulation Resistance

P/N

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High Voltage Reed Relay

8th,Jan,2025

Outline Dimension

Nominal Coil Voltage Max Pull-in Voltage

Min Breakdown Voltage

Life Expectancy (Electrical)

Capacitance

HVR05-2A04-02

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

Contact Form

(at 500 VDC 100mA)

Unit: mm DIM Tolerance: ± 0.3

Nominal Current Min Drop-out Voltage

5 VDC 42 mA 120 \pm 10% Ω 4 VDC 0.5 VDC

Contact Parameters

Reset Time

2 Form A

1 kVDC

2.5 A

150 m Ω

100 W

1.0 A

4 kVDC

5 \times 10 ops

Electrical Specifications

(Static,min)

Open contacts

Contact to coil

1 \times 10 Ω 12

1 \times 10 Ω (min./typ.) Rh<45%, 100V Test Voltage 12

Operate Time,incl.Bounce 1.0 ms 0.5 pF0.1 ms Across Open Switch

Environmental data

Vibration (10 to 2KHz 1.5mm) Shock (1/2 sine wave duration 11ms)20 G 50 G

Operating Temperature Storage Temperature-20 deg C - 70 deg C --5 deg C - 105 deg C

Soldering Temperature (5 sec. dwell) 220 deg C Washability fully sealed

Product model

Example of order marking

■ 2A: 2 Form A

Contact form

HVR

Special codeNominal Coil Voltage Breakdown Voltage

05: 5 VDC 04: 4 kVDC

Ordering & Engineering Support

For production projects, confirm coil voltage, contact form, switching voltage/current, load type, operating environment, target quantity and required approvals before release. Contact sales@reed-relay.com or +86 137 6157 1029 for datasheet confirmation, sample availability and cross-reference support.

Address: Room 311, No. 18 Hangchuan Road, Pudong New District, Shanghai, China

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