PUBLIC PRODUCT DATASHEET

Relay Parameters

HVR1A05-SMD-1 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** HVR1A05-SMD-1	**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 1 Form A	**Contact Rating** Coil Resistance	**Contact Resistance** Max Switch Current
Insulation Resistance coil/contact	**Operate Time** Dielectric Strength coil/contact 7K VDC	**Operating Temperature** erature -40~+100 deg C

Key Features

- Insulation Resistance coil/contact
- High Voltage Reed Relay
- • Hermetically sealed for long life
- • Low Contact Resistance
- • Custom Design Available

Technical Specifications

Parameter	Value
Contact Form	1 Form A
Contact Rating	Coil Resistance
Contact Resistance	Max Switch Current
Insulation Resistance	coil/contact
Operate Time	Dielectric Strength coil/contact 7K VDC
Operating Temperature	erature -40~+100 deg C
Storage Temperature	erature -40~+125 deg C

Specification Notes

150 mohm

Max Carrying Current

Max Contact Resistance

Max Switch Current

Max Switch Voltage

Max Contact Rating

Coil Resistance

Coil Parameters

4K VDC

2.5 A

1.0 A

1000V ACpeak/DC

100 W

Operate Time,incl.Bounce 1.0ms

Dielectric Strength coil/contact 7K VDC

Insulation Resistance coil/contact

Relay Parameters

1 Min Breakdown Voltage 4K VDC

P/N

TITLE

Approved by

Date

Designed by

Checked by Version: 01

1:1 Scale:

Page:HVR1A05-SMD

High Voltage Reed Relay

12th,Jan,2024

Unit: mm Scale: 1/1[Outline Dimension]

Storage Temperature -40~+125 deg C

Nominal coil voltage 5 VDC

Max Operating voltage

Max Pull-in voltage

Min Drop-out voltage

Contact Parameters

Min Breakdown Voltage

2 Operating Temperature -40~+100 deg C

Soldering Temperature

8 VDC

3.75 VDC

0.5 VDC

180 ohm

Reset Time 0.1ms

Capacitance Across Contacts 0.6pF

1/1

5 sec.max 260 deg C

[Pin Layout]

HVR1A05-SMD

1.00E+12ohm

Contact Form 1 Form A

• Hermetically sealed for long life

• Low Contact Resistance

• Excellent Lifetime Characteristics

• Custom Design Available

[Wiring diagram] [PCB Layout Top View]

SHR SENSOR & RELAY■

sales@reed-relay.com

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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