



High voltage Reed Relay

● ■ ■ ■ ■ ■ ■ ■

- High load current capability
- ■ Insulation Resistance ■■■ 1012Ω
- ■ Contact Resistance ■ Long-life sealed contacts
- Customized design, conforming to Rohs directive

Parameter ■ Units ■ Value

HVR1A-02

Relay Model ■/ ■HVR1A■ ■HVR1B■

HVR1A-03

HVR1B-02

Contact Rating ■W ■100 ■100

Max.Switching Voltage (Max DC/Peak AC) ■V ■1000 ■1000

Max.Switching Current (Max DC/Peak AC) ■A ■1.0 ■1.0

Max.Carry Current ■A ■2.5 ■2.5

Contact Resistance ■mΩ ■150 ■150

Between contact ■V ■4000 ■3000■4500

Dielectric Strength

Contact to coil ■V ■4000 ■7000

Insulation Resistance $\Omega \times 10^{12}$

Operate Time ■ms ■1.0

Release Time ■ms ■0.1(1A) / 0.25(1B)

Vibration (0~2000Hz) ■G ■20

Shock (11ms, 1/2 sine) ■G ■50

Operating Temp ■■ ■-20■+70

Storage Temp $\blacksquare\blacksquare\blacksquare -35\blacksquare +105$

Life Expectancy ■Ops ■ 5×10^7 (at 500VDC-100mA)

Outline Dimensions ■/ ■■■■Outline drawing

■ ■ ■ Nominal Voltage

Pickup Voltage

Dropout Voltage

Operate Voltage Max

Coil Resistance $\pm 10\% \Omega$ at 20

(VDC)

(VDC)

(VDC)

(VDC)

5 ■ 4 ■ 0.5 ■ 7 ■ 100

HVR1A■

12 ■ 9 ■ 1 ■ 16 ■ 620

24 ■ 18 ■ 2 ■ 29 ■ 1400

■ Avoid installing relays where rain falls, or where there is a strong magnetic field, or near objects with he

Value

Feature

■ Excessive mechanical shock may cause relay failure.

■ For wave soldering, max temperature 260■, duration not exceeding 5s.

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