

HVR05-2A04-02

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr05 2a04 02 marking

KEY RATINGS

COIL VOLTAGE

5 VDC

CONTACT FORM

2 Form A

SWITCH VOLTAGE

1 kVDC

CONTACT RATING

100 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 4 kVDC
- Custom design available
- Low contact resistance
- Excellent lifetime characteristics

COIL DATA

| | |
|----------------------|------------------|
| Nominal Coil Voltage | 5 VDC |
| Nominal Current | 42 mA |
| Coil Resistance | 120±10% Ω |
| Max Pull-in Voltage | 4 VDC |
| Min Drop-out Voltage | 0.5 VDC |

CONTACT RATINGS

| | |
|------------------------|---|
| Contact Form | 2 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 | 4 kVDC |
| Max Contact Resistance | 150 mΩ |
| Life Expectancy | 5×10⁷ ops @500V 100mA |

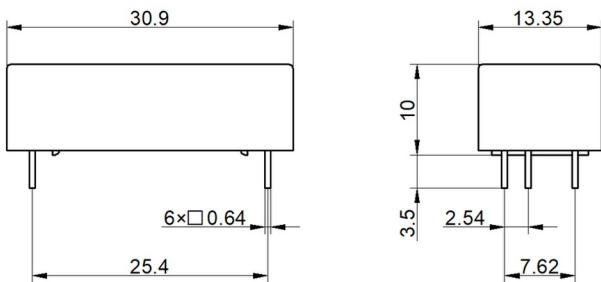
ELECTRICAL CHARACTERISTICS

| | |
|--------------------------------|--|
| Dielectric Open / Contact-Coil | 4 / 4 kVDC |
| Insulation Open / Contact-Coil | 1×10¹² / 1×10¹² Ω |
| Operate Time incl. Bounce | 1.0 ms |
| Reset Time | 0.1 ms |
| Capacitance | 0.5 pF across open switch |

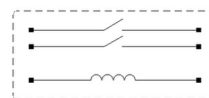
ENVIRONMENTAL / OPTIONS

| | |
|-----------------------|-----------------------------|
| Vibration | 20 G, 10-2KHz 1.5mm |
| Shock | 50 G, 11ms half-sine |
| Operating Temperature | -20°C to +70°C |
| Storage Temperature | -35°C to +105°C |
| Soldering Temperature | 260°C, 5 sec max |
| Washability | Fully sealed |

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW



Mirelay
HVR05-2A04-02

ORDERING & SOURCE TRACEABILITY

HVR05-2A04-02 — HVR, 05 = 5 VDC, 2A = 2 Form A, 04 = 4 kVDC, Pin Out = 02, Special = Nil

Source: HVR05-2A04-02.pdf

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