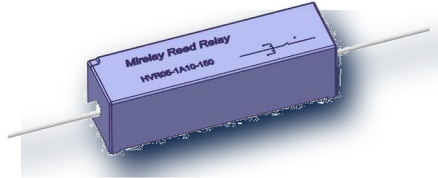


HVR05-1A10-150

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr05 1a10 150 marking

KEY RATINGS

COIL VOLTAGE

5 VDC

CONTACT FORM

1 Form A

SWITCH VOLTAGE

7.5 kVDC

CONTACT RATING

50 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 10 kVDC
- Custom design available
- Low contact resistance
- Excellent lifetime characteristics

COIL DATA

| | |
|----------------------|-----------------|
| Nominal Coil Voltage | 5 VDC |
| Nominal Current | 100 mA |
| Coil Resistance | 50±10% Ω |
| Max Pull-in Voltage | 4 VDC |
| Min Drop-out Voltage | 0.5 VDC |

CONTACT RATINGS

| | |
|------------------------|---|
| Contact Form | 1 Form A |
| Max Contact Rating | 50 W |
| Max Switch Voltage | 7.5 kVDC |
| Max Switch Current | 3.0 A |
| Max Carrying Current | 5.0 A |
| Min Breakdown Voltage | 10 kVDC |
| Max Contact Resistance | 150 mΩ |
| Life Expectancy | 5×10⁷ ops @500V 100mA |

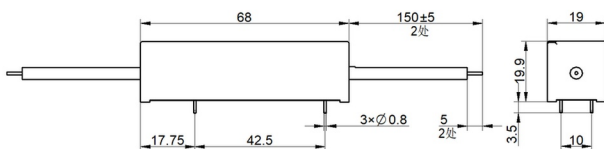
ELECTRICAL CHARACTERISTICS

| | |
|---------------------------|----------------------------------|
| Dielectric Open Contacts | 10 kVDC |
| Dielectric Contact/Coil | 15 kVDC |
| Insulation Open Contacts | 1×10¹² Ω |
| Insulation Contact/Coil | 1×10¹² Ω |
| Operate Time incl. Bounce | 3.0 ms |
| Reset Time | 1.5 ms |
| Capacitance | 1.0 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



ORDERING & SOURCE TRACEABILITY

HVR05-1A10-150 — HVR, 05 = 5 VDC, 1A = 1 Form A, 10 = 10 kVDC, Pin Out = 150, Special = Nil

Source: HVR05-1A10-150.pdf

Technical values are preserved from source PDFs / generated metadata. Original outline and circuit figures are reused where available; do not treat artwork proportions as standalone dimensional authority.