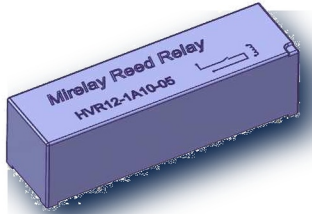


## HVR12-1A10-05

### High Voltage Reed Relay

#### PRODUCT VISUAL



embedded pdf product render with exact hvr12 1a10 05 marking

#### KEY RATINGS

COIL VOLTAGE  
**12 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	<b>12 VDC</b>
Nominal Current	<b>60 mA</b>
Coil Resistance	<b>200±10% Ω</b>
Max Pull-in Voltage	<b>9 VDC</b>
Min Drop-out Voltage	<b>1 VDC</b>

#### CONTACT RATINGS

Contact Form	<b>1 Form A</b>
Max Contact Rating	<b>50 W</b>
Max Switch Voltage	<b>7.5 kVDC</b>
Max Switch Current	<b>3.0 A</b>
Max Carrying Current	<b>5.0 A</b>
Min Breakdown Voltage	<b>10 kVDC</b>
Max Contact Resistance	<b>150 mΩ</b>
Life Expectancy	<b>5×10<sup>7</sup> ops @500V 100mA</b>

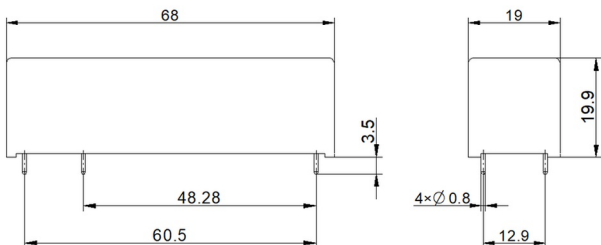
#### ELECTRICAL CHARACTERISTICS

Dielectric Open / Coil	<b>10 / 15 kVDC</b>
Insulation Open / Coil	<b>1×10<sup>12</sup> Ω each</b>
Operate Time incl. Bounce	<b>3.0 ms</b>
Reset Time	<b>1.5 ms</b>
Capacitance	<b>1.0 pF across open switch</b>

#### ENVIRONMENTAL / OPTIONS

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

#### MECHANICAL OUTLINE / DIMENSIONS



#### CIRCUIT / MARKING / TERMINAL VIEW



**Mirelay Reed Relay**  
HVR12-1A10-05

#### ORDERING & SOURCE TRACEABILITY

**HVR12-1A10-05 — HVR, 12 = 12 VDC, 1A = 1 Form A, 10 = 10 kVDC, Pin Out = 05, Special = Nil**

Source: HVR12-1A10-05.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.