

HVR05-2A04-01

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr05 2a04 01 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

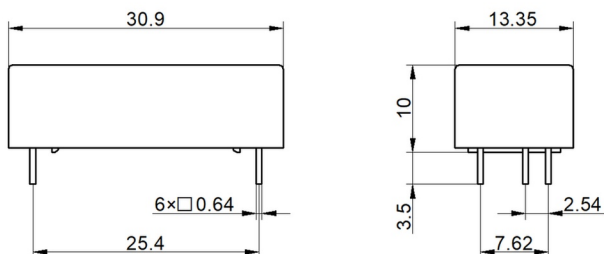
ELECTRICAL CHARACTERISTICS

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

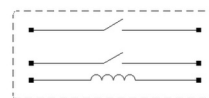
ENVIRONMENTAL / OPTIONS


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 
HVR05-2A04-01

ORDERING & SOURCE TRACEABILITY

HVR05-2A04-01 — HVR, 05 = 5 VDC, 2A = 2 Form A, 04 = 4 kVDC, Pin Out = 01, Special = Nil

Source: HVR05-2A04-01.pdf

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