

HVR1A12-02

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr1a12 02 marking

KEY RATINGS

COIL VOLTAGE
12 VDC

CONTACT FORM
1 Form A

SWITCH VOLTAGE
1 kVDC

CONTACT RATING
100 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 4.2 kVDC
- Compact high-voltage HVR package
- Low contact resistance
- Excellent lifetime characteristics

COIL DATA

Nominal Coil Voltage	12 VDC
Nominal Current	32 mA
Coil Resistance	380 ± 10% Ω
Max Pull-in Voltage	9 VDC
Min Drop-out Voltage	1 VDC

CONTACT RATINGS

Contact Form	1 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	4.2 kVDC
Max Contact Resistance	150 mΩ
Life Expectancy	5 × 10⁷ ops @ 500V 100mA

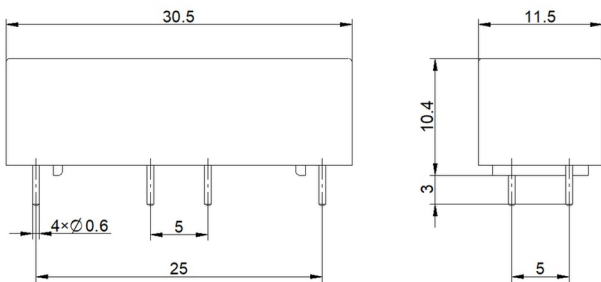
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	4.2 kVDC
Dielectric Contact/Coil	7 kVDC
Insulation Open Contacts	1 × 10¹² Ω
Insulation Contact/Coil	1 × 10¹² Ω
Operate Time incl. Bounce	1.0 ms
Reset Time	0.1 ms
Capacitance	0.5 pF across open switch

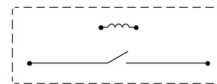
ENVIRONMENTAL / OPTIONS


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 dwell
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW



Mirelay 
HVR1A12-02

ORDERING & SOURCE TRACEABILITY

HVR1A12-02 — HVR, 1A = 1 Form A, 12 = 12 VDC, Pin Out = 02, Special = Nil

Source: HVR1A12-02.pdf

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