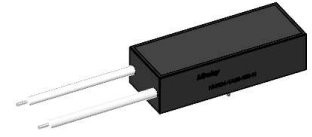
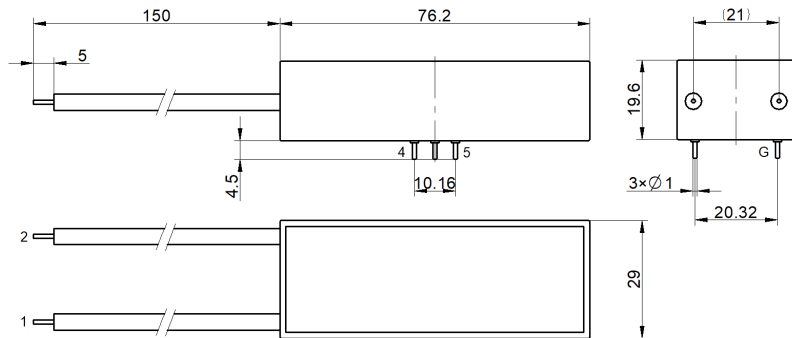
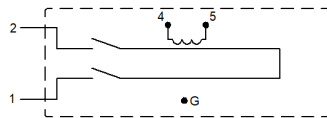
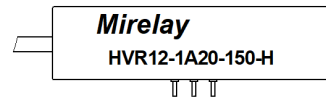


HVR12-1A20-150-H

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 20 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

**Outline Dimension****Unit: mm DIM Tolerance: ±0.3****Layout[Top View]****Marking****Coil Parameters (at 20℃)**

Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage
12 VDC	120mA	100±10% Ω	9 VDC	1 VDC

Contact Parameters

Contact Form	1 Form A	Max Contact Rating	50 W
Max Switch Voltage	10 kVDC	Max Switch Current	3.0 A
Max Carrying Current	5.0 A	Min Breakdown Voltage	20 kVDC
Max Contact Resistance	200 mΩ	Life Expectancy (Electrical) (at 500 VDC 100mA)	5×10 ⁷ ops

Electrical Specifications

Dielectric Strength (Static,min)	Open contacts	20 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	$1\times10^{12}\Omega$
	Contact to coil	20 kVDC		Contact to coil	$1\times10^{12}\Omega$
Operate Time,incl.Bounce		3.5 ms	Capacitance	Across Open Switch	1.0 pF
Reset Time		2.0 ms			

Environmental data

Vibration (10 to 2KHz 1.5mm)	20 G	Shock (1/2 sine wave duration 11ms)	50 G
Operating Temperature	-20℃ ~ 70℃	Storage Temperature	-35℃ ~ 105℃
Soldering Temperature (5 sec. dwell)	260℃	Washability	fully sealed

Example of order marking

Product model	Nominal Coil Voltage	Contact form	Breakdown Voltage	Pin Out	Special code
HVR	12: 12 VDC	1A: 1 Form A	20: 20 kVDC	150	H

Remark:

RoHS

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

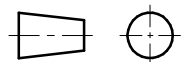
12th,June,2025

TITLE

High Voltage Reed Relay

P/N

HVR12-1A20-150-H



Version: 04

Page: 1/1