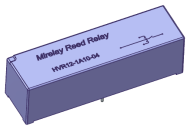
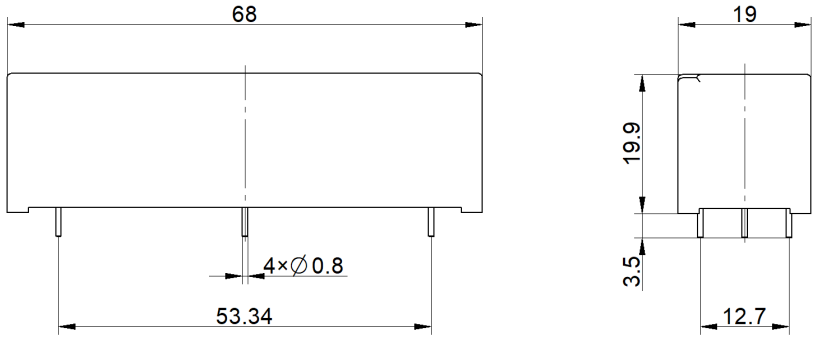
HVR12-1A10-04

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 10 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

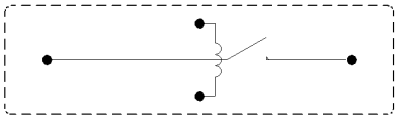


Outline Dimension

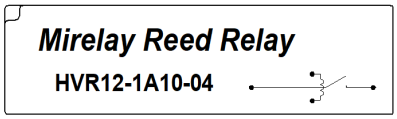
Unit: mm DIM Tolerance: ±0.3



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	60 mA	200±10% Ω	9 VDC	1 VDC

Contact Parameters			
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 (Electrical) (at 500 VDC 100mA)	5×10^7 ops

Electrical Specifications					
Dielectric Strength (Static,min)	Open contacts	10 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1×10^{12} Ω
	Contact to coil	15 kVDC		Contact to coil	1×10^{12} Ω
Operate Time,incl.Bounce		3.0 ms	Capacitance	Across Open Switch	1.0 pF
Reset Time		1.5 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	10：10 kVDC	—	04		Nil

Remark:				
RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay	
	Checke	Hu Shu		
	Approved	Dong Hu	P/N HVR12-1A10-04	Version: 04
	Date	30th,Dec,2024		Page: 1/1

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

MiRelay:

HVR12-1A15-06 HVR1A05-THT HVR24-1A15-06 MRS01-B-3 HVR24-1A15-04 MRS02-B-0 HVR12-2A06 HVR24-1A10-150 MRS03-C-2 SIP-HV1A24 HVR05-2A06 HVR12-1A10-04 HVR12-1A15-150 HVR1A12 HVR1A24-SMD HVR24-1B15-06 MRS01-B-0 MRS03-B-2 HVR1A05 HVR24-1A10-06 HRX10-1A15 HVR24-2A06 SIP-HV1A05D SIP-HV1A12DS SIP-HV1A12D HVR12-1B15-150 HVR1A24 HVR24-2A04-02 MRS01-B-2 SIP-HV1A05