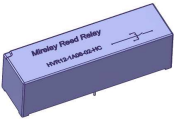


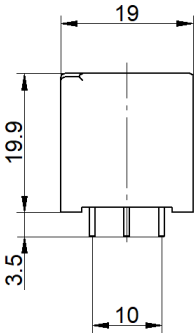
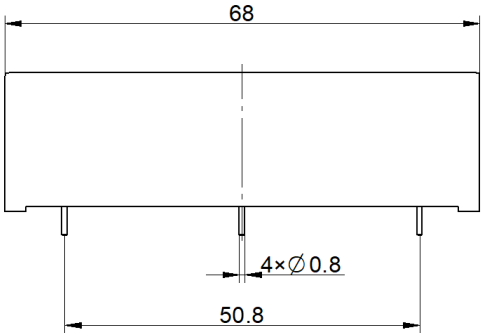
HVR12-1A08-02-HC

- High Voltage Reed Relay
- Suitable for high current loads
- Breakdown up to 8 kVDC
- Excellent Lifetime Characteristics
- Extended operations in extreme environments

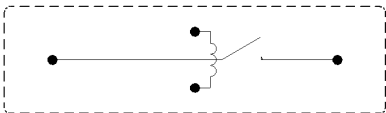


Outline Dimension

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		200 W		
Max Switch Voltage		7 kVDC		Max Switch Current		3.0 A		
Max Carrying Current		5.7 A		Min Breakdown Voltage		8 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	8 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		0.8 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	08: 8 kVDC	—	02	—	HC

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N HVR12-1A08-02-HC	 Version: 04 Page: 1/1
	Checke	Hu Shu		
	Approved	Dong Hu		
	Date	30th,Dec,2024		