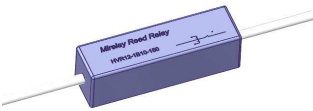


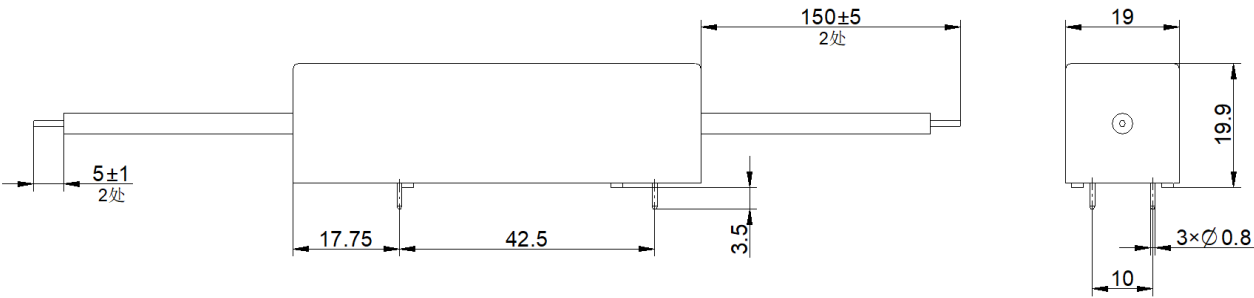
HVR12-1B10-150

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

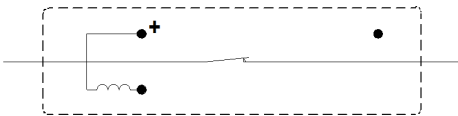


Outline Dimension

Unit: mm DIM Tolerance: ±0.3



Layout[Top View]



Marking



Coil Parameters (at 20℃)					
Nominal Coil Voltage		Nominal Current		Coil Resistance	
12 VDC		60 mA		200±10% Ω	
				Max Pull-in Voltage	
				9 VDC	
				Min Drop-out Voltage	
				1 VDC	
Contact Parameters					
Contact Form		1 Form B		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		2.0 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
HVR	12: 12 VDC	—	1B: 1 Form B	10: 10 kVDC	— 150
					Special code

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N HVR12-1B10-150	 Version: 04 Page: 1/1
	Checke	Hu Shu		
	Approved	Dong Hu		
	Date	30th,Dec,2024		