

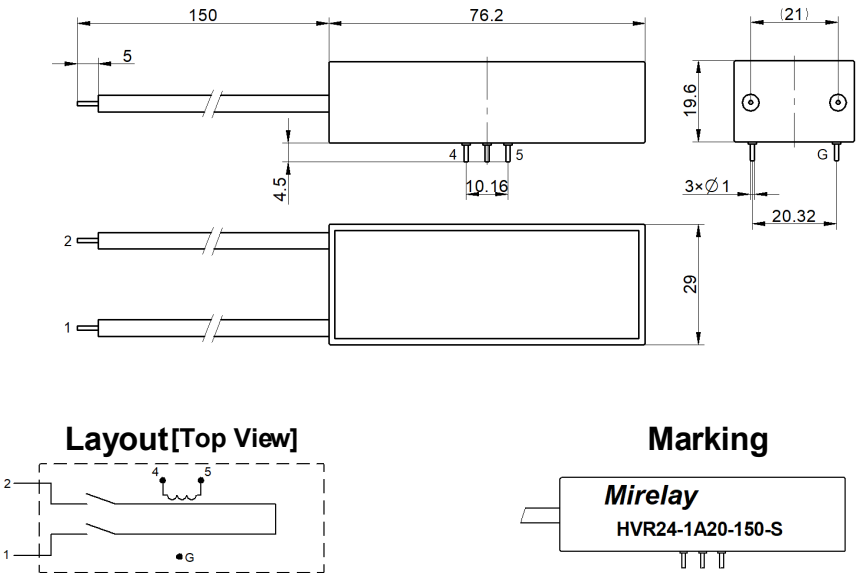
HVR24-1A20-150-S

- 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



Coil Parameters (at 20℃)								
Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage				
24 VDC	53mA	450±10% Ω	18 VDC	2 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	1×10 ¹² Ω			
	Contact to coil	20 kVDC		Contact to coil	1×10 ¹² Ω			
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	24: 24 VDC	—	1A: 1 Form A	20: 20 kVDC	—	150	—	S

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay	 
	Checke	Hu Shu		
	Approved	Dong Hu	P/N HVR24-1A20-150-S	Version: 04
	Date	30th,Dec,2024		Page: 1/1