

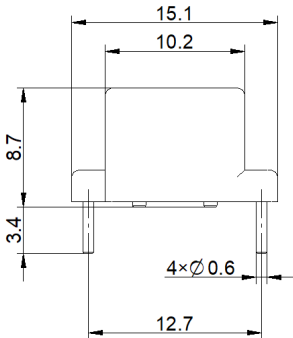
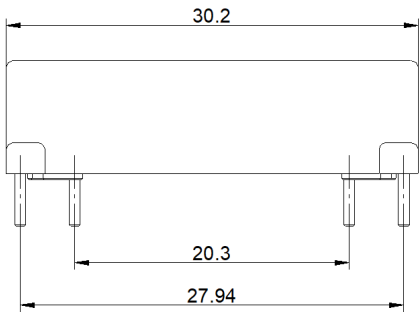
HVR1A24-03

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4.2 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

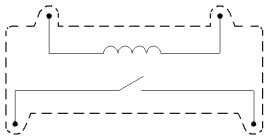


Outline Dimension

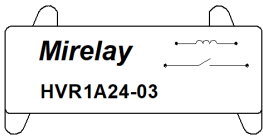
Unit: mm DIM Tolerance: ±0.3



Layout[Top View]



Marking



Coil Parameters (at 20℃)							
Nominal Coil Voltage		Nominal Current		Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage	
24 VDC		17 mA		1400±10% Ω	18 VDC	2 VDC	
Contact Parameters							
Contact Form		1 Form A		Max Contact Rating		100 W	
Max Switch Voltage		1 kVDC		Max Switch Current		1.0 A	
Max Carrying Current		2.5 A		Min Breakdown Voltage		4.2 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	4.2 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage		Open contacts	1×10 ¹² Ω	
	Contact to coil	7 kVDC			Contact to coil	1×10 ¹² Ω	
Operate Time,incl.Bounce		1.0 ms		Capacitance	Across Open Switch		0.5 pF
Reset Time		0.1 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	Contact form	Nominal Coil Voltage			Pin Out		Special code
HVR	1A: 1 Form A	24: 24 VDC		—	03		Nil

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N HVR1A24-03	
	Checke	Hu Shu		
	Approved	Dong Hu		Version: 04
	Date	8th,Jan,2025		Page: 1/1