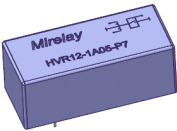


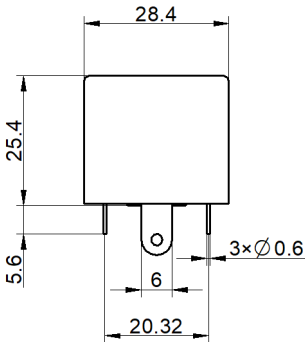
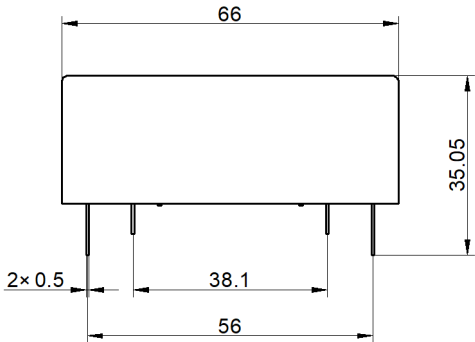
HVR12-1A05-P7

- High Voltage Reed Relay
- High Frequency High Power
- Breakdown up to 5 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

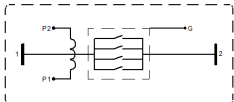


Outline Dimension

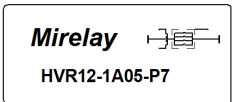
Unit: mm DIM Tolerance: ±0.3



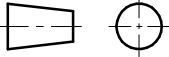
Layout[Top View]



Marking



Coil Parameters (at 20℃)					
Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage	
12 VDC	150 mA	80±10% Ω	9.6 VDC	2 VDC	
Contact Parameters					
Contact Form	1 Form A	Max Contact Rating	200 W		
Max Switch Voltage	3.5 kVDC	Max Switch Current	1.5 A		
Max Carrying Current	20.0 A	Min Breakdown Voltage	5 kVDC		
Max Contact Resistance	100 mΩ	Life Expectancy (Electrical) (at 50 VDC 10mA)	5×10 ⁷ ops		
Electrical Specifications					
Dielectric Strength (Static,min)	Open contacts	5 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1×10 ¹² Ω
	Contact to coil	5 kVDC		Contact to coil	1×10 ¹² Ω
	Contact to shield	5 kVDC		Contact to shield	1×10 ¹² Ω
Operate Time,incl.Bounce		2.5 ms	Capacitance	Across Open Switch	3.4 pF
Reset Time		1.0 ms			
Environmental data					
Vibration (10 to 2KHz 1.5mm)		20 G	Shock (1/2 sine wave duration 11ms)		50 G
Operating Temperature		-20℃ ~ 85℃	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	05: 5 kVDC	P7	Nil

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N HVR12-1A05-P7	 Version: 04 Page: 1/1
	Checke	Hu Shu		
	Approved	Dong Hu		
	Date	30th,Dec,2024		