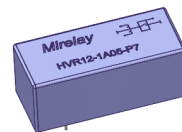


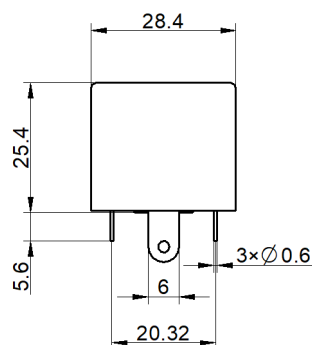
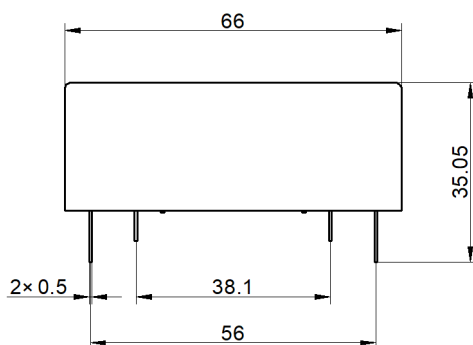
HVR12-1A05-P7

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

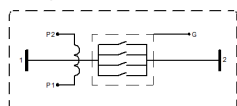


Outline Dimension

Unit: mm DIM Tolerance: ±0.3



Layout[Top View]



Marking

Mirelay
 HVR12-1A05-P7

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

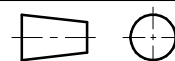
Example of order marking

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
Checke	Hu Shu
Approved	Dong Hu
Date	30th,Dec,2024

 TITLE
 High Voltage Reed Relay
 P/N
 HVR12-1A05-P7

 Version: 04
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