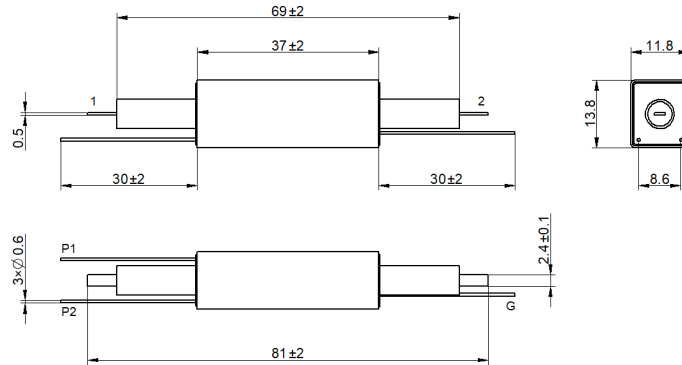


HVSR12-1A08-HC

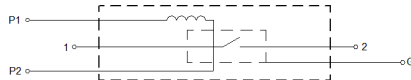
- High Voltage Reed Relay
- High Voltage hold off and switching ability
- Suitable for high current loads
- Extended operations in extreme environments
- External magnetic and electrostatic shield



Outline Dimension

Unit: mm DIM Tolerance: ± 0.3 

Layout [Top View]



Marking



Coil Parameters (at 20°C)

Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage
12 VDC	60 mA	200 $\pm$ 10% Ω	9 VDC	1 VDC

Contact Parameters

Contact Form	1 Form A	Max Contact Rating	200 W
Max Switch Voltage	7 kVDC	Max Switch Current	3.0 A
Max Carrying Current	5.7 A	Min Breakdown Voltage	8 kVDC
Max Contact Resistance	100 m Ω	Life Expectancy (Electrical) (at 500 VDC 100mA)	5 $\times$ 10 ⁷ ops

Electrical Specifications

Dielectric Strength (Static,min)	Open contacts	8 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1 $\times$ 10 ¹² Ω
	Contact to coil	8 kVDC		Contact to coil	1 $\times$ 10 ¹² Ω
	Contact to shield	8 kVDC		Contact to shield	1 $\times$ 10 ¹² Ω
Operate Time,incl.Bounce	3.0 ms	Capacitance	Across Open Switch	0.8 pF	
Reset Time	1.5 ms				

Environmental data

Vibration (10 to 2KHz 1.5mm)	20 G	Shock (1/2 sine wave duration 11ms)	50 G
Operating Temperature	-20°C ~ 85°C	Storage Temperature	-35°C ~ 105°C
Soldering Temperature (5 sec. dwell)	260°C	Washability	fully sealed

Example of order marking

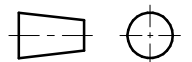
Product model	Nominal Coil Voltage	Contact form	Breakdown Voltage	Pin Out	Special code
HVSR	12: 12 VDC	1A: 1 Form A	08: 8 kVDC	Nil	HC

Remark:

RoHS

Make	Li Linmao
Checke	Hu Shu
Approved	Dong Hu
Date	6th,Mar,2025

TITLE	High Voltage Reed Relay
P/N	HVSR12-1A08-HC



Version: 04
Page: 1/1