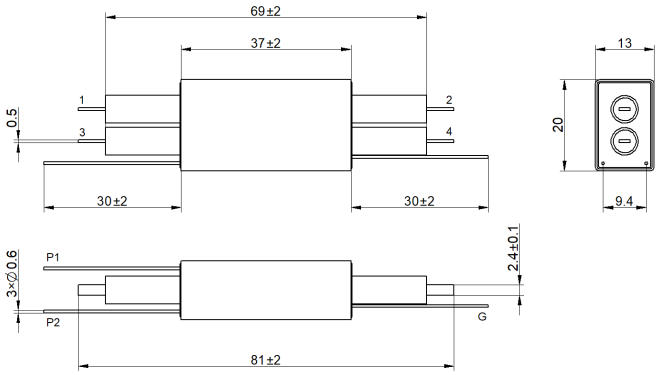
HVSR12-2A08

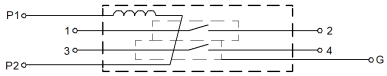
- High Voltage Reed Relay
- High Frequency High Power
- Breakdown up to 8 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

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	160 mA	75±10% Ω	9.6 VDC	1.2 VDC

Contact Parameters			
Contact Form	2 Form A	Max Contact Rating	50 W
Max Switch Voltage	6 kVDC	Max Switch Current	3.0 A
Max Carrying Current	5.0 A	Min Breakdown Voltage	8 kVDC
Max Contact Resistance	100 mΩ	Life Expectancy (Electrical) (at 500 VDC 100mA)	5×10^7ops

Electrical Specifications					
Dielectric Strength (Static,min)	Open contacts	8 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	$1\times10^{12}\Omega$
	Contact to coil	8 kVDC		Contact to coil	$1\times10^{12}\Omega$
	Contact to shield	8 kVDC		Contact to shield	$1\times10^{12}\Omega$
Operate Time,incl.Bounce		3.0 ms	Capacitance	Across Open Switch	1.6 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℃ ~ 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
HVSR	12：12 VDC	—	2A：2 Form A	08：8 kVDC	—	Nil		Nil

Remark:				
RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay	
	Checke	Hu Shu		
	Approved	Dong Hu	P/N HVSR12-2A08	Version: 04
	Date	6th,Mar,2025		Page: 1/1