

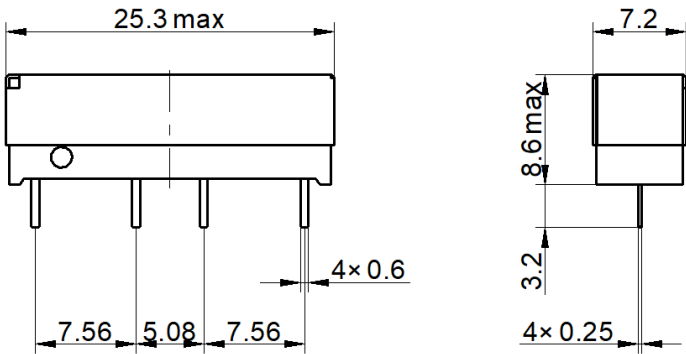
SIP-HV1A12DS

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

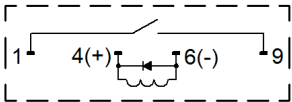


Outline Dimension

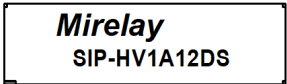
Unit: mm DIM Tolerance: ±0.3



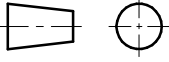
Layout[Top View]



Marking



Coil Parameters (at 20℃)						
Nominal Coil Voltage		Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage	
12 VDC		24 mA	500±10% Ω	9 VDC	1.2 VDC	
Contact Parameters						
Contact Form		1 Form A	Max Contact Rating		100 W	
Max Switch Voltage		1.5 kVDC	Max Switch Current		1.0 A	
Max Carrying Current		2.5 A	Min Breakdown Voltage		4 kVDC	
Max Contact Resistance		150 mΩ	Life Expectancy (Electrical) (at 5 VDC 10mA)		5×10 ⁸ ops	
Electrical Specifications						
Dielectric Strength (Static,min)	Open contacts	4 kVDC	Insulation Resistance (min./typ.) Rh<45%, 200V Test Voltage	Open contacts	1×10 ¹² Ω	
	Contact to coil	4 kVDC		Contact to coil	1×10 ¹² Ω	
Operate Time,incl.Bounce		1.0 ms	Capacitance	Across Open Switch		0.5 pF
Reset Time		0.25 ms				
Environmental data						
Vibration (10 to 2KHz 1.5mm)		20 G	Shock (1/2 sine wave duration 11ms)		50 G	
Operating Temperature		-40℃ ~ 85℃	Storage Temperature		-40℃ ~ 105℃	
Soldering Temperature (5 sec. dwell)		260℃	Washability		fully sealed	
Example of order marking						
Product model	Contact form	Nominal Coil Voltage	Option		Special code	
SIP-HV	1A: 1 Form A	12: 12 VDC	DS: Diode+Mangnetic Shield		Nil	

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay P/N SIP-HV1A12DS	 Version: 04 Page: 1/1
	Checke	Hu Shu		
	Approved	Dong Hu		
	Date	8th,Jan,2025		