

SIP-1A24B

- Hermetically sealed for long life
- Low Contact Resistance
- Excellent Lifetime Characteristics
- Custom Design Available

Outline Dimension

Unit: mm DIM Tolerance: ±0.3

Technical drawing of the SIP-1A24B reed relay. The top view shows a rectangular package with a width of 19±0.2 mm and a length of 15.24 mm. It has four pins on the bottom, with dimensions 5.08 mm between pins 1 and 3, and 5.08 mm between pins 5 and 7. The pin width is 4×0.46 mm. A 'Pin Mark' is indicated on the top left. The side view shows a height of 7.7±0.2 mm, a base thickness of 0.26 mm, and a mounting tab width of 3.3±0.2 mm. The distance from the top edge to the start of the pins is 5.08±0.1 mm.

Layout[Top View]

Marking

Coil Parameters (at 20℃)					
Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage	
24 VDC	12 mA	2000±10% Ω	17.5 VDC	2.5 VDC	

Contact Parameters					
Contact Form	1 Form A	Max Contact Rating	10 W		
Max Switch Voltage	200 VDC	Max Switch Current	0.5 A		
Max Carrying Current	1.0 A	Min Breakdown Voltage	250 VDC		
Max Contact Resistance	150 mΩ	Life Expectancy (Electrical) (at 10 VDC 10mA)	5×10 ⁷ ops		

Electrical Specifications					
Dielectric Strength (Static,min)	Open contacts	250 VDC	Insulation Resistance (min./typ.) Rh<45%, 200V Test Voltage	Open contacts	1×10 ¹⁰ Ω
	Contact to coil	1.4 kVDC		Contact to coil	1×10 ¹⁰ Ω
Operate Time,incl.Bounce		0.3 ms	Capacitance	Across Open Switch	1.0 pF
Reset Time		0.3 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	1A: 1 Form A	24: 24 VDC	B: Diode	Nil	

Remark:

RoHS

Make	Li Linmao	TITLE Reed Relay P/N SIP-1A24B	
Checke	Hu Shu		
Approved	Dong Hu		
Date	21th, April, 2026		

Version: 04

Page: 1/1