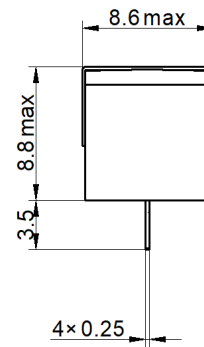
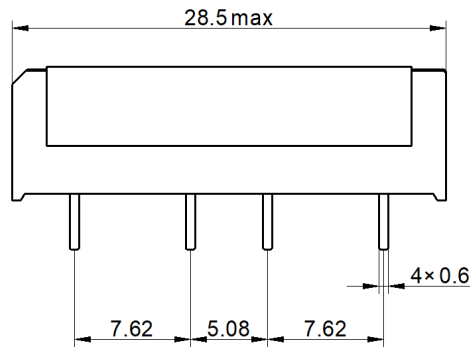


SIP-HC1A12S

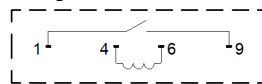
- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 4 kVDC
- Excellent Lifetime Characteristics
- Mercury relay alternative Reed relay



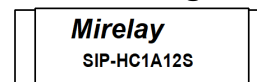
Outline Dimension

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	30 mA	400 $\pm$ 10% Ω	9 VDC	1 VDC

Contact Parameters

Contact Form	1 Form A	Max Contact Rating	150 W
Max Switch Voltage	1.5 kVDC	Max Switch Current	2.0 A
Max Carrying Current	10 A	Min Breakdown Voltage	4 kVDC
Max Contact Resistance	35 m Ω	Life Expectancy (Electrical) Pulse current: 10A, 1.5ms/ON-15ms/OFF	1 $\times$ 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 $\times$ 10 ¹² Ω
	Contact to coil	4 kVDC		Contact to coil	1 $\times$ 10 ¹² Ω
	Contact to shield	4 kVDC		Contact to shield	1 $\times$ 10 ¹² Ω
Operate Time,incl.Bounce	1.7 ms	Capacitance	Across Open Switch	0.5 pF	
Reset Time	0.5 ms				

Environmental data

Vibration (10 to 2KHz 1.5mm)	20 G	Shock (1/2 sine wave duration 11ms)	50 G
Operating Temperature	-40°C ~ 85°C	Storage Temperature	-40°C ~ 105°C
Soldering Temperature (5 sec. dwell)	260°C	Washability	fully sealed

Example of order marking

Product model	Contact form	Nominal Coil Voltage	Option	Special code
SIP-HC	1A: 1 Form A	12: 12 VDC	S: Magnetic Shield	Nil

Remark:

RoHS

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

19th, Feb, 2025

TITLE

High Voltage Reed Relay

P/N

SIP-HC1A12S



Version: 04

Page: 1/1