VSIP Series

Reed Relay

1 Feature

- Molded thermoset body on integral lead frame design
- Optional coil suppression diode protects coil drive circuits
- High Insulation resistance, up to $10^{12}\Omega$
- High speed switch,high reliability,long life sealed contact
- Magnetic shield-reduces interaction
- Custom Design, conforming to Rohs directive

2 Performance Data

Paramenter		Units	Value
Relay Model		/	VSIP-1A□
Contact Rating		W	10
Max.Swiching Voltage (Max DC/Peak AC)		V	200
Max.Swiching Current (Max DC/Peak AC)		A	0.5
Max.Carry Current	at 60℃	A	1.0
Contact Resistance		mΩ	150
Dielectric Strength (static)	Between contact	VDC	150
	Contact/shield to coil	VDC	1400
Insulation Resistance		Ω	10^{12}
Operate Time		ms	0.5
Release Time		ms	0.1
Vibration(0～2000Hz)		G	20
Shock(11ms，1/2 sine)		G	50
Operating Temp		℃	-20～+70
Storage Temp		℃	-35～+105
Life Expectancy		Ops	5×10^{7}(at 10VDC-10mA)
Outline Dimensions		/	Reference outline drawing

3 Coil Parameters

Model	Nominal Voltage (VDC)	Pickup Voltage Max.(VDC)	Dropout Voltage Min.(VDC)	Operate Voltage Max.(VDC)	Coil Resistance (±10%Ω at 20℃)
VSIP-1A□	5	4	0.4	10	500
	12	9	1	24	1000

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4 Example of order marking

VSIP □ - □ □ -(XXX)
① ② ③ ④ ⑤

42 Product model：MSIP

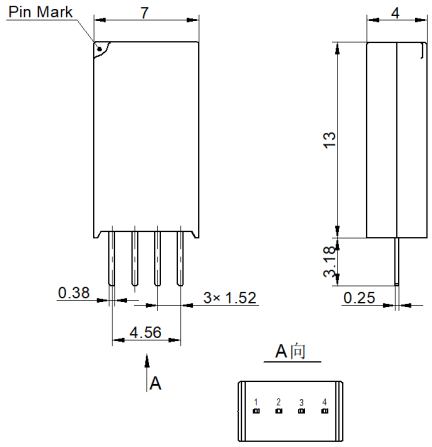
43 Contact form：1A：1 Form A

44 Nominal coil voltage：05: 5VDC、12: 12VDC、24: 24VDC

45 Pin type：01、02

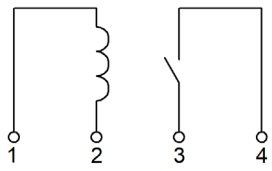
46 Special code：Customer special requirement

5 Outline drawing

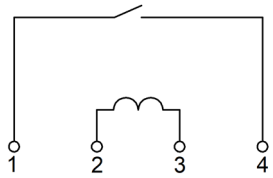


6 Wiring diagram

1) VSIP-1A□-01



2) VSIP-1A□-02



7 Precautions for use

※ Avoid installing relays where rain falls, or where there is a strong magnetic field, or near an object with thermal radiation.

※ Switching inductive or capacitive load systems will produce peak voltage or current, it is recommended to use protective circuit, otherwise, may cause relay damage.

※ Avoid excessive packing density in use which may affect the electrical characteristics of the relay.

※ Mechanical impact strength is too large, will cause the relay to use the fault.

※ When the relay is used for wave soldering, the maximum temperature is 260℃ and the time does not exceed 5s.

⚠Statement：

The document is for customer reference only.Specifications and parameters may be changed due to product improvement. For the specific parameters and performance of each product, please refer to the specifications and samples provided by Mirelay without further notice.

Relay performance parameters in different application areas are different, so customers should choose the appropriate products according to the specific conditions of use, if in doubt, please contact Shanghai MiRelay Electronics Co.,Ltd. for more technical support.

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