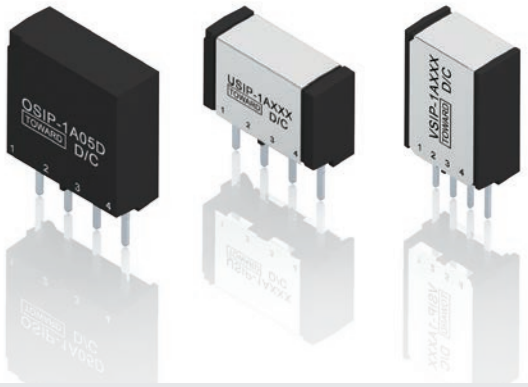
XSIP Series

Ultra-Small SIP Reed Relay

Features

- OSIP is a 10W/15W SIP relay (10.16mm x 3.81mm x 10.16mm).
- USIP is a 3W/10W SIP relay (10.16mm x 3.81mm x 6.73mm).
- VSIP is the smallest 3W/10W SIP relay (6.85mm x 3.81mm x 9.77mm).
- Magnetic shielding reduces interaction.
- Optional coil suppression diode protects coil drive circuits.
- High insulation resistance $10^{12}\Omega$ minimum.
- High speed switching.
- Molded thermoset body on integral lead frame design.
- High reliability, hermetically sealed contacts for long life.



Order Code

XSIP-1A XX X-X X
a b c d e

a : Model : USIP, OSIP, VSIP
b : Nominal Coil Voltage : 05=5V, 12=12V
c : Nil=Standard Type, D=Diode
d : Nil=Standard, I=High Power
e : Nil=Standard, A-Z : Special

Coil Data-Standard Type USIP & OSIP (at 20℃)

Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% (ohm)	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max. Allowable Voltage (VDC)
5	500	3.75	0.4	6.5
12	750	9	1	15

Coil Data-Standard Type VSIP (at 20℃)

Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% (ohm)	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max. Allowable Voltage (VDC)
5	400	3.75	0.5	6

Contact Rating

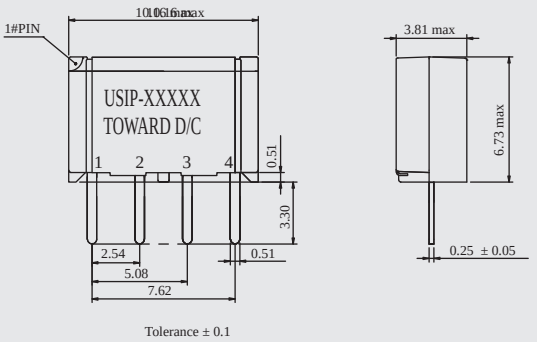
Part Number	USIP / USIP-I	OSIP / OSIP-I	VSIP / VSIP-I
Max. Switching Power	3W / 10W	10W / 15W	3W / 10W
Max. Switching Voltage	100V	200V	100V
Max. Switching Current	0.25A / 0.5A	0.5A / 1.0A	0.25A / 0.5A
Max. Carry Current	0.5A / 1.0A	0.5A / 1.0A	0.5A / 1.0A
Max. Static Contact Resistance	150mΩ / 200mΩ	120mΩ	120mΩ / 200mΩ
Max. Dynamic Contact Resistance	0.200Ω	0.200Ω	0.200Ω

Specification

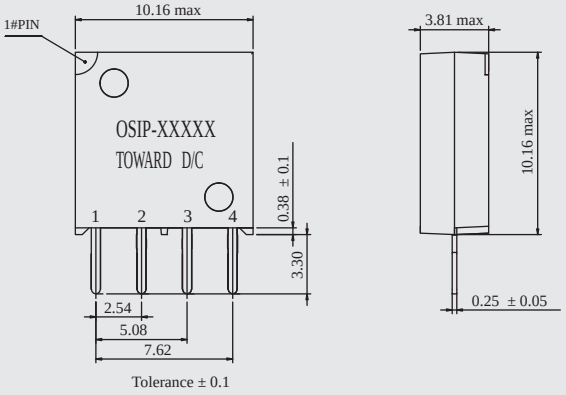
Model	USIP / USIP-I	OSIP / OSIP-I	VSIP / VSIP-I
Operate Time (Incl. bounce-Typical)	0.35ms	0.35ms	0.2ms
Release Time (Typical)	0.1ms	0.1ms	0.1ms
Insulation Resistance	$10^{12}\Omega$	$10^{12}\Omega$	$10^{12}\Omega$
Dielectric Strength(Between Contacts)	200VDC / 210VDC	200VDC / 230VDC	150VDC / 210VDC
Dielectric Strength(Contacts to Coil)	1500VDC	1500VDC	1500VDC
Capacitance (Between Open Contacts)	0.7pF	0.7pF	0.7pF
Capacitance (Open Contact to Coil)	1.4pF	1.4pF	1.4pF
Vibration (2000 Hz)	20G	20G	20G
Shock Resistance	50G	50G	50G
Operating Temperature	-20℃ ~+85℃	-20℃ ~+85℃	-20℃ ~+85℃
Storage Temp	-35℃ ~+100℃	-35℃ ~+100℃	-35℃ ~+100℃
1.0 V / 10mA Life Expectancy (Typical)	$2.5*10^8$ Ops.	$1.0*10^9$ Ops.	$2.5*10^8$ Ops.

Dimensions (Unit : mm)

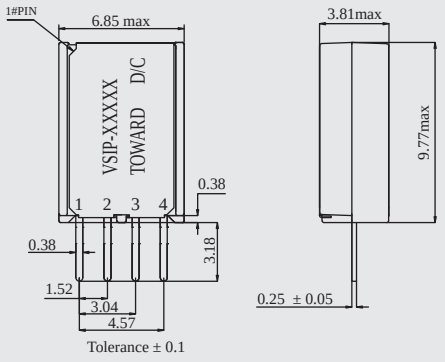
Model USIP



Model OSIP

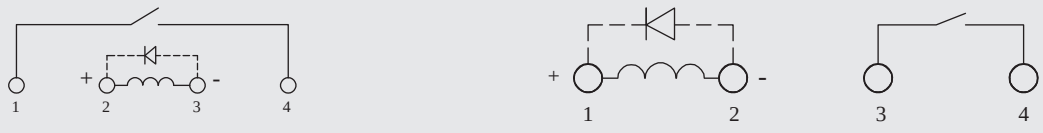


Model VSIP



Tolerance ±0.1mm

Top View:



USIP、OSIP **VSIP**

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