

Hi-Voltage Reed Relay

Features

- High breakdown voltage reed relay
- High current and power reed relay
- Low and stable contact resistance
- Low stray capacitance
- Magnetic shield options



Order Code

HRR2-1A-05 X-X
a b c

a:Nominal Coil Voltage:05=5VDC, 12=12VDC, 24=24VDC

b:Nin=Magnetic Shield, D=Diode

c:nil=Standard, HI=High Current, HV=High Voltage

Coil Data-Standard Type 1FormA (at 20°C)

Nominal Voltage DC±10%[V]	Coil Resistance ±10% (ohm)	Nominal Current (mA)	Min. Release Voltage (VDC)	Max. Operate Voltage (VDC)
5	150	33.3	0.5	3.8
12	500	24.0	1.0	9.0
24	1440	16.7	2.0	18.0

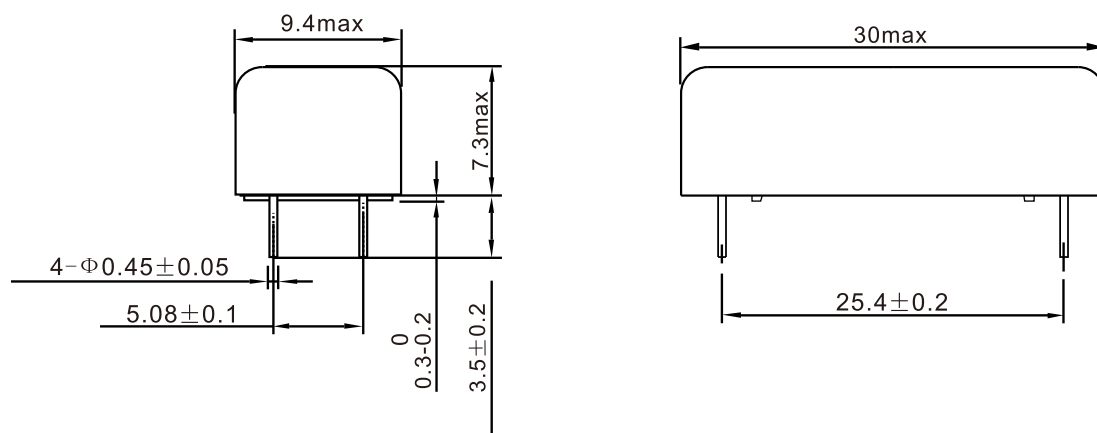
Contact Rating

	Standard	HI	HV
Contact Form	1FormA	1FormA	1FormA
Contact Rating	10W	60W	100VA
Max.Switching Voltage	1000VDC	230VAC/DC	300VDC/300VAC RMS
Max.Switching Current	0.5A	3.0A	1.0A
Max.Carry Current	1.3A	4.0A	2.5A

Specification

Contact Resistance	100m Ω	80m Ω	150m Ω
Breakdown Voltage	2000VDC	400VDC	1000VDC
Insulation Resistance	1x10 ¹⁰ Ω	1x10 ¹¹ Ω	1x10 ¹⁰ Ω
Capacitance(typ.)	0. 2pF	0. 5pF	0. 5pF
Operate Time	0. 8mS	2. 5mS	0. 6mS
Release Time	0. 5mS	0. 1mS	0. 3mS
Vibration	20G	35G	20G
Shock	30G	50G	30G
Operating Temperature	-10 $^{\circ}$ C ~+60 $^{\circ}$ C		
Storage Temperature	-10 $^{\circ}$ C ~+80 $^{\circ}$ C		
Life Expectancy of Mechanical	1x10 ⁸ operations	TBC	TBC
Life Expectancy of Electrical	500VDC, 1mA, 1x10 ⁴	TBC	TBC

Dimensions(Unit:mm)



Wiring Diagrams(Top View)

