

HRR2 Series

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 XX-X X
a b c

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

b : Options Nil : magnetic shield D : diode

c : Options Nil : standard HI : High Current HV : High Voltage

Coil Data-Standard Type (at 20°C)

Part Number	Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ [ohm]	Nominal Current [mA]	Min. Release Voltage [VDC]	Max. Operate Voltage [VDC]
HRR2-1A	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 Specifications

Part Number	Standard	HI	HV
Contact Form	1 Form A	1 Form A	1 Form A
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
Contact Resistance	100m Ω	80m Ω	150m Ω



Electrical Specifications

Part Number	Standard	HI	HV
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

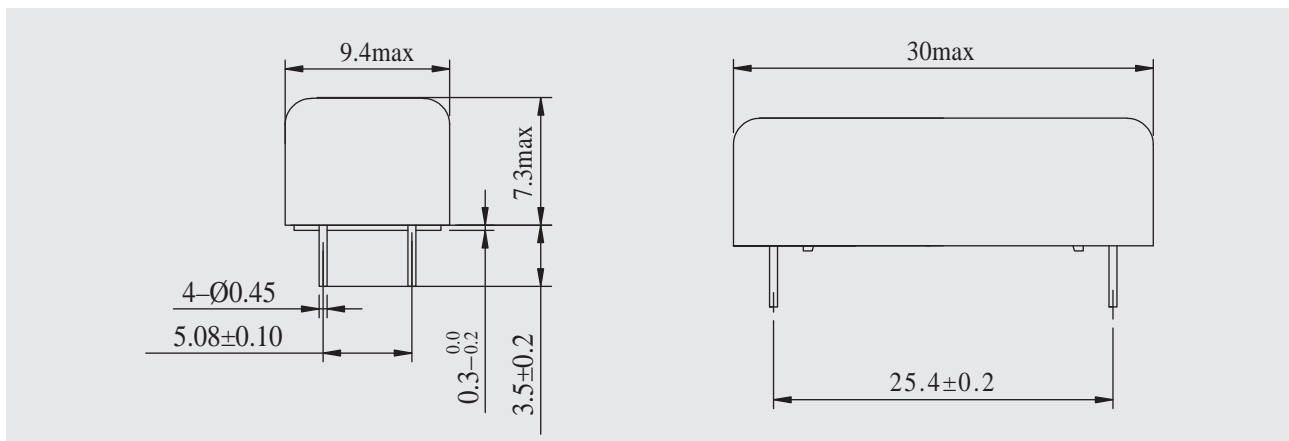
Mechanical Specifications

Vibration	20G	35G	20G
shock	30G	50G	30G

Environmental

Operating Temperature	-10°C ~+60°C		
Storage Temperature	-10°C ~+80°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)

