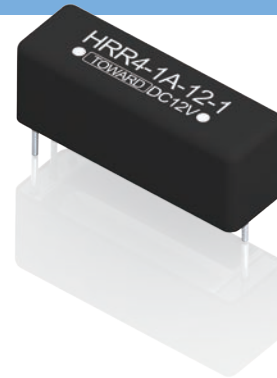


# HRR4 Series

## Hi-Voltage Reed Relay

### Features

- High Breakdown Voltage Reed Relay;
- Low and Stable Contact Resistance;
- Low Stray Capacitance;



### Order Code

HRR4-1A XX X-X  
a b c

a : Coil Voltage 05 : 5VDC 12; 12VDC 24 : 24VDC  
b : Options Null : Standard D : Diode  
c : 1: Standard 2 : Special

### Coil Data-Standard Type 1FormA (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]
HRR4-1A	5	150	10	0.5	3.8
	12	1050	11.4	1.0	9.0
	24	2080	11.5	2.0	18.0

### Contact Specifications

Part Number	Standard	Special
Contact Form	1 Form A	1 Form A
Contact Rating	10W	10W
Max. Switching Voltage	200VDC	1000VDC
Max. Switching Current	0.5A	0.5A
Max. Carry Current	1.2A	1.3A



**Specifications**

Part Number		Standard	Special
Contact Resistance		100mΩ	100mΩ
Breakdown Voltage :	Open contacts	250VDC	2000VDC
	contact to coil	1500VDC	1500VDC
Insulation Resistance :	Open contacts	1x10 <sup>10</sup> Ω	1x10 <sup>10</sup> Ω
	contact to coil	1x10 <sup>10</sup> Ω	1x10 <sup>10</sup> Ω
Capacitance (typ.) : Open contacts		0.3pF	0.2pF
Operate Time		0.6mS	1.0mS
Release Time		0.2mS	0.5mS

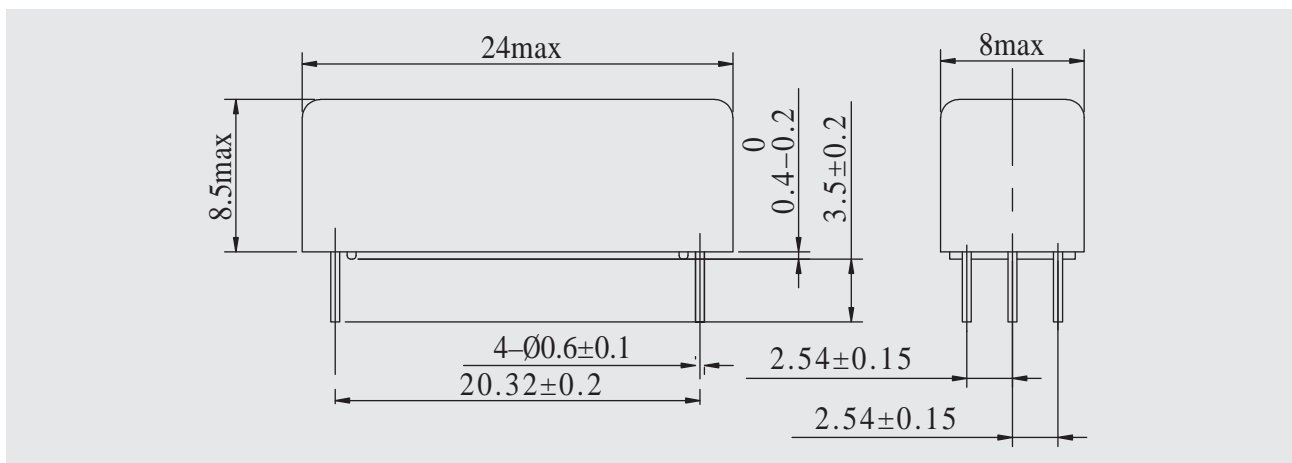
**Mechanical Specifications**

Vibration		20G	20G
shock		30G	30G

**Environmental**

Operating Temp		-10°C ~+60°C	-10°C ~+60°C
Storage Temp		-30°C ~+80°C	-30°C ~+80°C
Life Expectancy Mechanical		1X10 <sup>8</sup> operations	1X10 <sup>8</sup> operations
Life Expectancy Electrical		200VDC-1mA, 1X10 <sup>6</sup> operations	500VDC-1mA, 1X10 <sup>6</sup> operations

**Dimensions (Unit : mm)**



**Wiring Diagrams (Top View)**

