




**ARTICLE CODE**

**SR A 5 05**

**SR Series**



Coil Voltage  
3,5,8,9,12,24 VDC

1:63Ω ; 2:250Ω ; 5:500Ω  
7:700Ω ; 10:1050Ω ; 20:2050Ω ;

A:1A;B:1B;2A:2A

Model Name:SR

**Main Features:**

- Light weight with small size.
- 1 Form A and 2Form A and 1Form B configurations.
- Use OKI reed switch.

**COIL RATING(at 20°C)**

Nominal Voltage(VDC)	Coil Resistance (Ω)(±10%)	Power Consumption(W)	Nominal Current (mA)(±10%)	Pull In Voltage(VDC)	Drop Out Voltage(VDC)	Max. Allowable Voltage (VDC)
3V	250Ω	0.036W	12.0mA	2.1V	0.3V	4.8V
5V	250Ω	0.100W	20.0mA	3.5V	0.5V	8.0V
5V	700Ω	0.036W	7.1mA	3.5V	0.5V	8.0V
8V	700Ω	0.091W	11.4mA	5.6V	0.8V	12.8V
9V	700Ω	0.116W	12.9mA	6.3V	0.9V	14.4V
9V	500Ω	0.162W	18.0mA	6.3V	0.9V	14.4V
12V	1020Ω	0.141W	11.8mA	8.4V	1.2V	19.2V
24V	3500Ω	0.165W	6.9mA	16.8V	2.4V	38.4V
24V	2080Ω	0.277W	11.5mA	16.8V	2.4V	38.4V

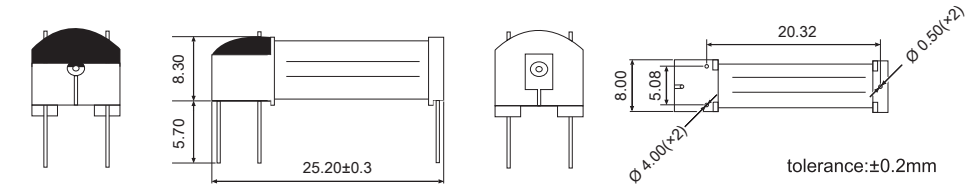
**CONTACT RATING**

Item	Type	0.5A
Rated Carrying Current		0.1A/125VAC 0.5A/24VDC
Max. Allowable Current		1A
Max. Allowable Voltage		100VAC 100VDC
Max. Current(Continual)		0.5A
Max. Switching Power		10W,10VA
Max. Switching Voltage		200VDC
Max. Switching Current		0.5A
Contact Material		Ruthenium

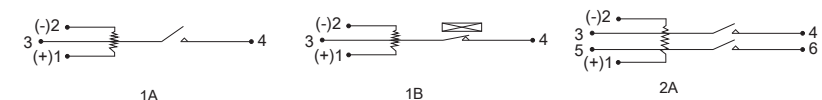
**PERFORMANCE(at initial value )**

Item	Type	0.5A
Contact Resistance		150mΩ Max.(Initial Value)
Operate Time		0.5msec Max.
Release Time		0.2msec Max.
Dielectric Strength between Coil & Contact between Contact		3000VDC(1min) 200VDC(1min)
Insulation Resistance		1000MΩ Min.(DC500V)
Operating Ambient Temperature		-30°C ~+70 °C
Humidity		35 to 85% RH
Vibration Resistance		10G(10~55Hz) (Dual Amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy Mechanically Electrically		100,000,000 ops.Min.(1800 ops./h) 50,000,000 ops.Min.(1200 ops./h)
Weight		1.5g(approx.)

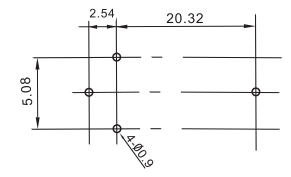
**OUTLINE DIMENSION, WIRING DIAGRAM & PC BOARD LAYOUT** Unit: mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.  
2) The tolerance without indicating for PCB layout is always ±0.1mm.