ARTICLE CODE

SS - 1A 05 D M

- Nil:Standard / M:Metallic
- Nil:Standard / D:With diode
- Coil Voltage 5,12,24 VDC
- 1A:1A / 1B:1B
- Model Name:SS

SS Series

Main Features:

- SIP Reed Relay.
- Plastic and Metals all available.
- Completely washable.
- Surge strength 1,500 VDC(between coil& contact).
- Provide high speed,miniature and cost effective switching solution.

COIL RATING(at 20℃)

Nominal Voltace (VDC)	Coil Resistance (Ω)(±10%)	Power Consumption(W)	Nominal Current (mA)(±10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
5V	500Ω	0.050W	10.0mA	3.75V	0.25V	10V
12V	1000Ω	0.144W	12.0mA	9.00V	0.60V	20V
24V	2000Ω	0.288W	12.0mA	18.0V	1.20V	28V

PERFORMANCE(at initial value)

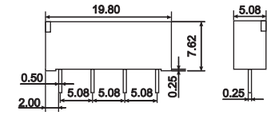
Item \ Type	0.5A
Contact Resistance	150mΩ Max.(Initial Value)
Operate Time	0.5msec Max.
Release Time	0.2msec Max.
Dielectric Strength between Coil & Contact between Contact	1400VDC(1min) 200VDC(1min)
Insulation Resistance	1000MΩ Min.(DC500V)
Operating Ambient Temperature	-30℃ ~+70 ℃
Humidity	35 to 85% 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	1.6g(approx.)

CONTACT RATING

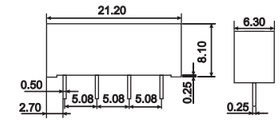
Item \ Type	0.5A
Rated Carrying Current	0.1A/125VAC 0.5A/24VDC
Max. Allowable Current	1A
Max. Allowable Voltage	100VAC 100VDC
Max. Current(Continual)	0.5A
Max. Switching Power	10W,10VA
Max. Switching Voltage	200VDC
Max. Switching Current	0.5A
Contact Material	Ruthenium

OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm

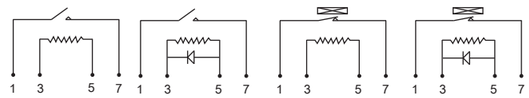


Standard Type



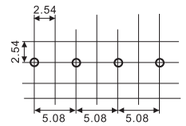
Metallic Type

Dimensions



1A 1A-D 1B 1B-D

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.