

ARTICLE CODE

S5 - 12 L

S5 Series



Nil:0.2W
L:0.15W

Coil Voltage
3,5,6,9,12,24 VDC

Model Name:S5

Main Features:

- Ultra small size(12.5x7.5x10.0),single pole relay
- High sensitive:150mW Type & Standard (200mW)Type
- Plastic sealed type
- DIL pitch terminal

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)
	0.15W	0.20W		0.15W	0.20W			
3V	45Ω	60Ω	Nil:0.2W L:0.15W	66.7mA	50.0mA	75% MAX	10% MIX	130%
5V	125Ω	167Ω		40.0mA	30.0mA			
6V	180Ω	240Ω		33.3mA	25.0mA			
9V	405Ω	540Ω		22.2mA	16.7mA			
12V	720Ω	960Ω		16.7mA	12.5mA			
24V	2880Ω	3840Ω		8.3mA	6.3mA			

PERFORMANCE(at initial value)

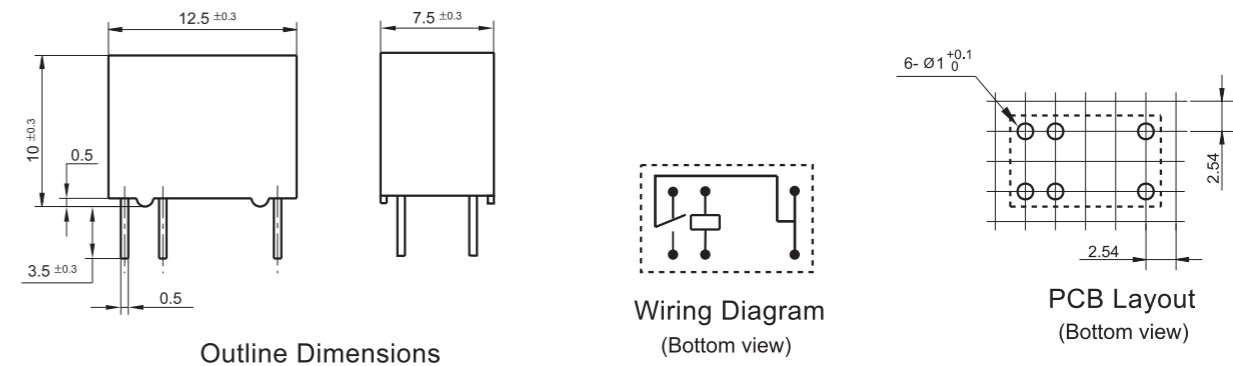
Item	Type	2A
Contact Resistance		100mΩ Max.(Initial Value)
Operate Time		5msec Max.
Release Time		5msec Max.
Dielectric Strength between Coil & Contact between Contact		1000VAC(1min) 500VAC(1min)
Insulation Resistance		1000MΩ Min.(DC500V)
Operating Ambient Temperature		-30°C ~+70 °C
Humidity		35 to 85% RH
Vibration Resistance		10G(10~55Hz) (Dual Amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy Mechanically Electrically		10,000,000 ops.Min.(1800 ops./h) 100,000 ops.Min.(1200 ops./h)
Weight		2.2g(approx.)

CONTACT RATING

Item	Type	2A
Rated Carrying Current (Resistive)		2A/125VAC 2A/24VDC
Max. Allowable Current		1A
Max. Allowable Voltage		125VAC 60VDC
Max. Current(Continual)		1A
Min. Load		DC5V 10mA
Contact Material		Ag alloy

OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

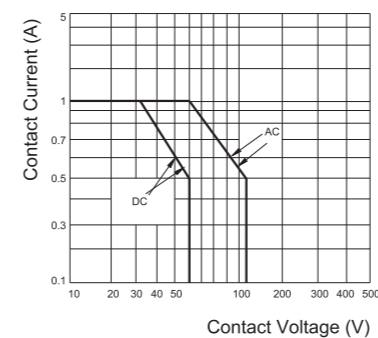
Unit: mm



- 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.
3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE

