

SOJ SERIES

ORDER CODE

SOJ-12-10-L

□ 0.45W
L: 0.2W

10: 10A

COIL VOLTAGE

TYPE

03: DC 3V
05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
18: DC 18V
24: DC 24V
48: DC 48V



Main Features:

- 1 form A (SPST) contact.
- Small size produces a switching capacity up to 10amps for high density PCB mounting technique.
- Surge strength 3,000 VAC.
- Special design for household appliances flux free and sealed type available.

COIL RATING (at 20°C)

Nominal Voltage (VDC)	COIL Resistance (Ω)(+/-10%)	Power Consumpt -10N(VA)	Nominal Current (mA)(+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
3V	20 Ω	0.45VA	150.0mA	75% Max.	5% Min.	120%
5V	55 Ω		90.9mA			
6V	80 Ω		75.0mA			
9V	180 Ω		50.0mA			
12V	320 Ω		37.5mA			
18V	720 Ω		25.0mA			
24V	1280 Ω		18.8mA			
48V	5100 Ω		9.4mA			

	Nominal Voltage (VDC)	COIL Resistance (Ω)(+/-10%)	Power Consumpt -10N(W)	Nominal Current (mA) (+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
L	3V	45 Ω	0.2W	66.7mA	75% Max.	5% Min.	120%
	5V	125 Ω		40.0mA			
	9V	400 Ω		22.5mA			
	12V	720 Ω		16.7mA			
	24V	2800 Ω		8.6mA			

PERFORMANCE (at initial value)

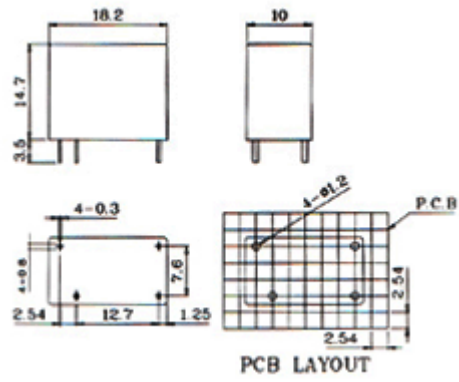
Item \ Type	10A
Contact Resistance	100m Ω Max (initial value)
Operate Time	10m sec Max.
Release Time	4m sec Max.
Dielectric Strength between coil & contact between contact	Ac3000V (1min.) Ac1000V (1min.)
Surge Resistiveness	5,000V
Insulation Resistance	100M Ω Min. (DC500V)
Operating Ambient Temperature	-30°C ~ +55°C
Humidity	45 to 85% RH
Vibration Resistance	10G (10~50Hz) (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	9g (about)

CONTACT RATING

Item \ Type	10A
Rated Carrying Current	AC 250V 5A AC 120V 10A DC 30V 10A
Max. Allowable Current	10A
Max. Allowable Voltage	AC 265V DC 30V
Max Current (continual)	10A
Min. Load	DC 5V 10mA
Contact Material	Ag Alloy

DIMENSIONS (Unit: mm)





WIRING DIAGRAMS (Bottom View)



REFERENCE DATA

