Features

- 16A switching capability
- Standard mounting 32F and outline dimensions
- Can supply the product of highly efficient
- magnetic circuit for high sensitivity：200mW
- Dielectric strength 4KV（between coil and contacts）
- Creepage distance and air distance are greater than10mm
- UL insulation system：Class F
- Environmental friendly product(RoHS compliant)
- Outline Dimensions：（18.4×10.2×15.5）mm
- Main application：Home appliance、Smart home

■ CHARACTERISTICS

Specifications	Item		
Contact Data	Contact arrangement		1A
	Contact resistance(initial)		≤100mΩ(6VDC 1A)
	Contact material		$AgSnO_2$
Rated value	Rated load(Resistance load)		10A 250VAC 16A 250VAC
	Max.switching voltage		277VAC
	Max.switching current		16A
	Max.switching capacity		4000VA
	Min.allowing load		5VDC 100mA
Electrical performance	Insulation resistance(initial)		1000MΩ(500VDC)
	Dielectric strength (initial)	Between open contacts	1000VAC,1 min
		Between coil&contacts	4000VAC,1 min
	Operate time		≤10ms
	Release time		≤5ms
Mechanical performance	Shock resistance	Functional	$98m/s^2$(10G)
		Destructive	$980m/s^2$(100G)
	Vibration resistance		10Hz～55Hz 1.5mm DA
Endurance	Mechanical		$1×10^7$ ops
	Electrical		10A 250VAC $1×10^5$ ops(ON/OFF=1s/9s) 16A 250VAC $5×10^4$ ops(ON/OFF=1s/9s)
Operate condition	Ambient temperature		-40℃～85℃
	Humidity		5% to 90%
Termination			PCB
Unit weight			Approx.7g
Construction			Plastic sealed、Flux proofed

■ COIL DATA(23℃)

■Standard Type

Nominal Voltage	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 3V	≤2.25	≥0.15	150mA	20Ω	450mW	130%Nominal Voltage
DC 5V	≤3.75	≥0.25	90 mA	55.5Ω		
DC 6V	≤4.50	≥0.30	75 mA	80Ω		
DC 9V	≤6.75	≥0.45	50 mA	180Ω		
DC 12V	≤9.00	≥0.60	37.5 mA	320Ω		
DC 15V	≤11.25	≥0.75	30 mA	500Ω		
DC 18V	≤13.50	≥0.90	25 mA	720Ω		
DC 24V	≤18.00	≥1.20	18.8 mA	1280Ω		
DC 48V	≤36.00	≥2.40	9.4mA	5120Ω	500mW	

■Sensitive Type

Nominal Voltage	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 3V	≤2.4	≥0.15	66.7mA	45Ω	200mW	130%Nominal Voltage
DC 5V	≤4.0	≥0.25	40 mA	125Ω		
DC 6V	≤4.8	≥0.30	33.3mA	180Ω		
DC 9V	≤7.2	≥0.45	22.2 mA	405Ω		
DC 12V	≤9.6	≥0.60	16.7mA	720Ω		
DC 15V	≤12.0	≥0.75	13.3 mA	1128Ω		
DC 18V	≤14.4	≥0.90	11.1 mA	1620Ω		
DC 24V	≤19.2	≥1.20	8.3 mA	2880Ω		

■ ORDERING INFORMATION

W17	-1A	2	S	T	L	E	-XXX	DC12V

① Type

② Contact arrangement：1A=1 open contacts

③ PCB mounting：2=type 2

④ Construction：Nil=Flux proofed，S=Plastic sealed

⑤ Contact material：T=$AgSnO_2$

⑥ Coil power：Nil=Standard、L=Sensitive

⑦ Load：Nil=Standard load　E=High load(16A)

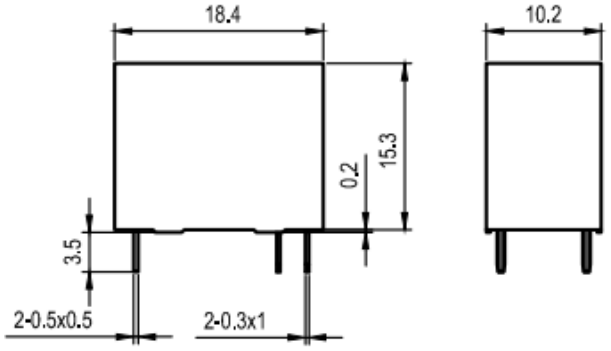
⑧ Customer special code：numbers or letters denote customer's requirements

⑨ Coil specification：DC3/5/6/9/12/15/18/24/48V

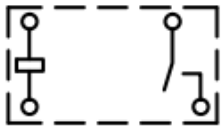
■ OUTLINE DIMENSIONS,WIRING DIAGRAM AND PC BOARD LAYOUT(Unit：mm)

1A

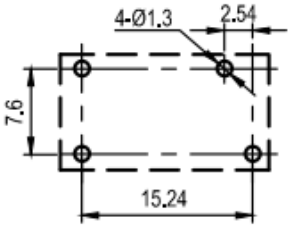
Outline Dimensions



Wiring Diagram
(Bottom view)



PCB Layout
(Bottom view)



Remark: ⑴ 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 ±0.5mm.

⑵ The tolerance without indicating for PCB layout is always ±0.1mm

■ NOTICE

① If the relay needs to be cleaned or used in bad environment(e.g:dust or organic gas)，we recommend plastic sealed type.

② The specification is for reference only,specifications subject to change without notice.