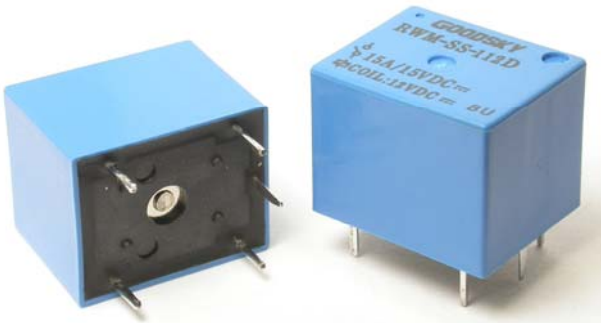


## Main Feature



1. The employment of suitable plastic and metal material is applied suitable to high temperature and various chemical solutions.
2. Complete protective construction is designed from dust and soldering flux. Flow solder type is available for dust and soldering flux prevention. Plastic sealed type is also available for simple washing procedure.
3. The employment of suitable metal material and design is suitable for DC application.

## Contact Rating

Load Type	RWM (DM/DB)	RWM (D)
Rated Load (Resistive)	15A 15VDC	15A 15VDC
Rated Carrying Current	15A	15A
Max. Allowable Voltage	DC 30V	DC 30V
Max. Allowable Current	15A	15A
Max. Allowable Power Force	225W	225W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

## Application

Air Conditioner, Security Equipment, Power Windows

## Performance (at Initial Value)

- Contact Resistance ..... 100mΩ Max. @1A,6VDC
- Operate Time..... 10mSec. Max.
- Release Time ..... 5 mSec. Max.
- Dielectric Strength:
  - Between Coil & Contact ..... 1,000VAC at 50/60 Hz for one minute.
  - Between Contacts ..... 500VAC at 50/60 Hz for one minute.
- Surge Strength ..... 1,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance ..... 100 Mega Ω Min. at 500VDC.
- Max. On/Off Switching :
  - Electrical..... 6 Cycles per Minute.
  - Mechanical ..... 300 Cycles per Minute.
- Temperature Range..... -40~85°C
- Humidity Range..... 45~85% RH.
- Coil Temperature Rise..... 55°C Max.
- Vibration:
  - Endurance ..... 10 to 55 Hz dual amplitude width 1.5mm.
  - Error Operation..... 10 to 55 Hz dual amplitude width 1.5mm.
- Shock :
  - Endurance ..... 1,000 m/S<sup>2</sup>.
  - Error Operation..... 100 m/S<sup>2</sup>.
- Life Expectancy :
  - Mechanical ..... 10<sup>7</sup> Operations at No Load condition.
  - Electrical ..... 10<sup>5</sup> Operations at Rated Resistive Load.
- Weight ..... About 9 g.

## Safety Standard & Its File Number

- NIL.

## Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
RWM	9	88.9	100	Abt.0.8	80% Maximum	5% Minimum	150%
	12	66.7	180				
	24	33.3	720				

## Ordering Information

RWM - SS - 1 12 D M

**Contact Form:**

Nil: One Form C  
M: One Form A  
B: One Form B

**Coil Type:**

D: Standard DC Coil

**Coil Voltage:**

09: 9V, 12: 12V, 24: 24V

**Number of Pole:**

1: One Pole

**Type of Sealing:**

SS: RT II Flux Proofed Relays

SH: RT III Wash Tight Relays

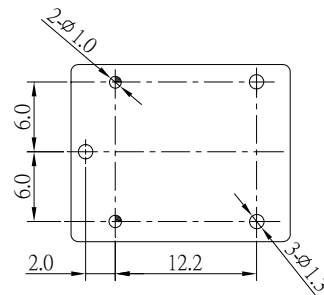
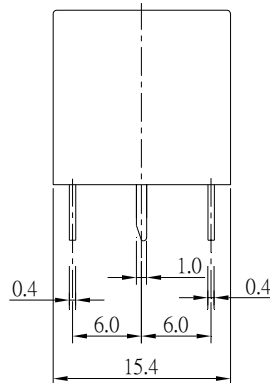
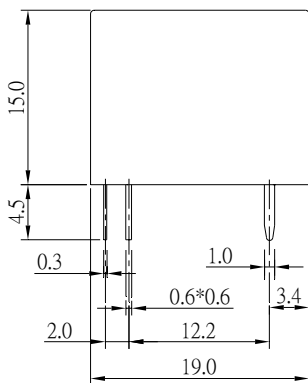
**Type:**

RWM

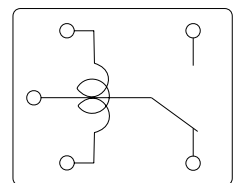
## Classification

Model	RWM		
Contact Form	1C	1A	1B
Flux Proofed Relay	RWM-SS-1□□D	RWM-SS-1□□DM	RWM-SS-1□□DB
Wash Tight Relay	RWM-SH-1□□D	RWM-SH-1□□DM	RWM-SH-1□□DB

Dimension ( $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , the tolerance of PCB thru hole:  $+0.1\text{mm}$ )



P.C.B. Layout



Bottom View