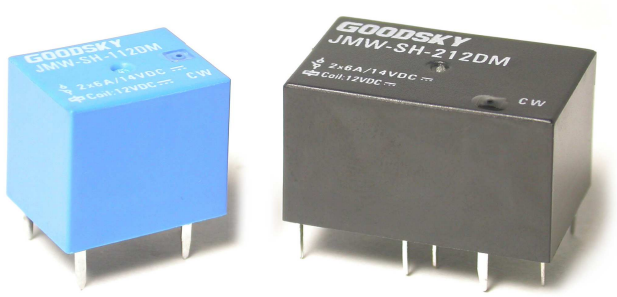


Main Feature

1. Smaller size with 2×6A of rated carrying current and double contact type.
2. Applicable for automotive electrical systems.
3. Distinctive twin relay structure on JM-2 providing high performance for the use of automotive.
4. Resistance to environment with shock and vibration.
5. Plastic sealed type available.
6. Comply with RoHS, REACH and ELV regulations

Contact Rating

Load Type	JMW-1P (DM/LM)	JMW-2P (DM/LM)
Rated Load (Resistive)	2x6A 14VDC	2x6A 14VDC
Rated Carrying Current	2×6A	2×6A
Max. Allowable Voltage	60VDC	60VDC
Max. Allowable Current	12A	12A
Max. Allowable Power Force	150W	150W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	DPST

Application

Power Window Control, Auto Door Lock Control, Power Mirror Control, Seat Adjustment, Wiper Control

Performance (at Initial Value)

- Contact Resistance ..... 100 mΩ Max.@1A,6VDC
- Operate Time..... 10 mSec. Max.
- Release Time ..... 10 mSec. Max.
- Dielectric Strength:
  Between Coil & Contact..... 500VAC at 50/60 Hz for one minute
  Between Contacts ..... 500VAC at 50/60 Hz for one minute
- Surge Strength..... 1,500V (between coil & contact 1.2x50μSec.)
- Insulation Resistance ..... 100 MegaΩ Min. at 500VDC
- Max. On/Off Switching:
  Electrical…… .4 Cycles per Minute. (at 1s ON, 14s OFF)
  Mechanical ..... 300 Cycles per Minute.
- Temperature Range..... -40～+85°C
- Humidity Range ..... 45～85% RH.
- Coil Temperature Rise..... 70°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^2
  Error Operation .....100 m/S^2
- Life Expectancy:
  Mechanical .....10^7 Operations at No Load condition
  Electrical .....10^5 Operations at Rated Resistive Load
- Weight.....About 5.2g for 1P
  About 10.2g for 2P

Safety Standard & File Number

- NIL

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
JMW-DM	6	133	45	Abt. 0.8	60% Maximum	5% Minimum	150% (for short time carrying current)
	9	90	100				
	10	74	135				
	12	66.7	180				
	24	33.3	720				
JMW-LM	6	100	60	Abt. 0.6			
	9	66.7	135				
	10	55.6	180				
	12	50	240				

Ordering Information

JMW - SS - 1 12 D M

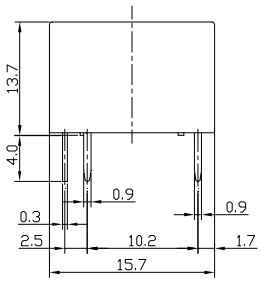
Contact Form:	**M:** One Form A
Coil Sensitivity:	**D:** Standard DC **L:** High DC
Coil Voltage:	**06:** 6V, **09:** 9V, **10:** 10V, **12:** 12V, **24:** 24V
Number of Pole:	**1:** One Pole **2:** Two Poles
Type of Sealing:	**SS:** RT II Flux Proofed **SH:** RT III Wash Tight
Type:	**JMW**

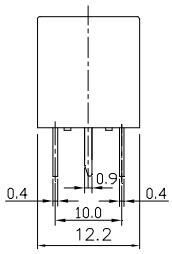
Classification

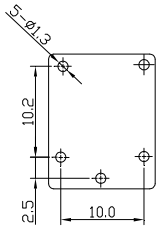
Model	JMW			
Coil Sensitivity	Standard DC		High DC	
Number of Pole	1 Pole	2 Poles	1 Pole	2 Poles
Flux Proofed	JMW-SS-1□□DM	JMW-SS-2□□DM	JMW-SS-1□□LM	JMW-SS-2□□LM
Wash Tight	JMW-SH-1□□DM	JMW-SH-2□□DM	JMW-SH-1□□LM	JMW-SH-2□□LM

Dimension (≦ 5mm± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

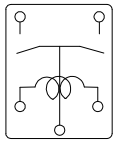
JMW-1





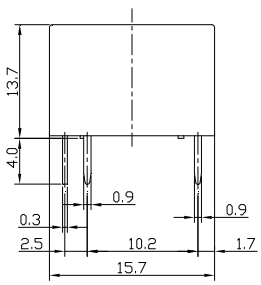


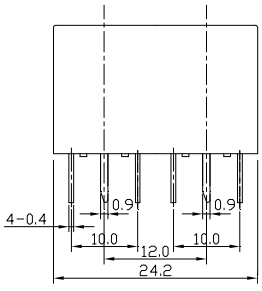
P.C.B. Layout

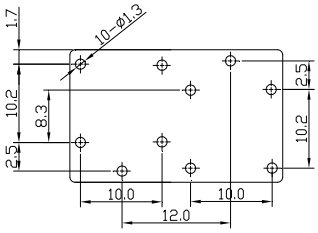


Bottom View

JMW-2







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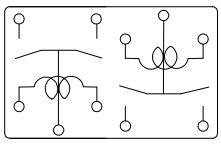

Bottom View

V.01DOS