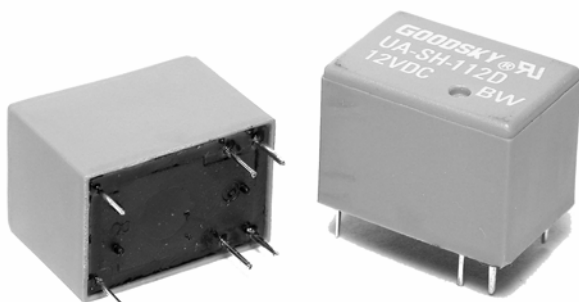




Main Feature

1. Single Pole Relay UA series is designed with medium current load 3A for middle current load.
2. High dense design is available for P.C. Board application with size of 15.5 x 10.5 x 11.4 in mm and the weight of 3.5 grams.
3. 2.54mm terminal pitch employment is equal to I.C.'s terminal pitch.
4. Employment of suitable plastic materials is applied under high temperature condition and various chemical solutions.
5. Complete protective construction is designed from dust and soldering flux. In addition, plastic sealed type is prepared for washing procedure.
6. Simple Relay magnetic circuit is meeting in mass production with low cost offer.

Application

Telecommunication, Domestic Appliances, Office Machine, Audio Equipment, Camera, etc.



Contact Rating

- Nominal Load (Resistive Load Cos φ =1)
Contact Capacity 3A at 120VAC.
 3A at 24VDC.
- Rated Carrying Current 3A.
- Max. Allowable Current 3A.
- Max. Allowable Voltage AC 120V, DC 60V.
- Max. Allowable Power Force 360 VA, 75W.
- Min. Switching Load DC 5V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPST & SPDT.

Performance (at Initial Value)

- Contact Resistance 100mΩ Max.@100mA, 6VDC
- Operate Time..... 8 mSec. Max.
- Release Time 4 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 Resistance..... 1,000 V(between Coil & Contact 1.2x50μSec.)
- Insulation Resistance..... 100 MegaΩ Min. at 500VDC.

- Max. On/Off Switching :
 - Electrical 30 Ops. per Minute.
 - Mechanical 300 Ops. per Minute.
- Temperature Range..... -25~55°C
- Humidity Range 45~85% RH.
- Coil Temperature Rise 40°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 500 m/S² Min.
 - Error Operation..... 100 m/S² Min.
- Life Expectancy :
 - Mechanical 10⁷ Operations at No
Load condition.
 - Electrical 10⁵ Operations at Rated
Resistive Load.
- Weight About 3.5 g.

Safety Standard & Its File Number

- UL.....E141060

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)
UA - D/DM	3	120	25	Abt. 0.36	75% Maximum	5% Minimum	130%
	5	72.5	69				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1,600				

Ordering Information

UA - SS - 1 12 D M

Contact Form:

Nil: One Form C

M: One Form A

B: One Form B

D: Standard DC Coil

Coil Type:

Coil Voltage:

03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V

Number of Pole:

1: One Pole

Type of Sealing:

SS: Flow Solder Type

SH: Plastic Sealed Type

Type:

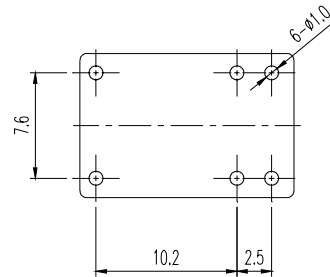
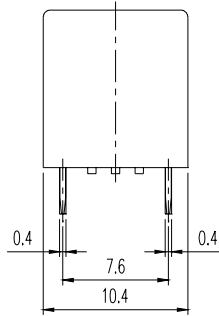
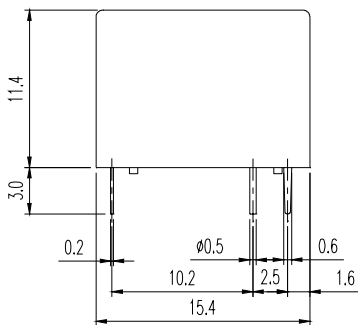
UA

Classification

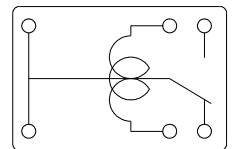
Model	UA		
Contact Form	1C	1A	1B
Flow Solder Type	UA-SS-1□□D	UA-SS-1□□DM	UA-SS-1□□DB
Plastic Sealed Type	UA-SH-1□□D	UA-SH-1□□DM	UA-SH-1□□DB

Dimension

UA-SS/SH



BOTTOM VIEW



BOTTOM VIEW

Reference Data

