

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 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

Contact Rating

Load Type	UA (DM/DB)	UA (D)
Rated Load (Resistive)	3A 120VAC	3A 120VAC
	3A 24VDC	3A 24VDC
Rated Carrying Current	3A	3A
Max. Allowable Voltage	AC 120V	AC 120V
	DC 60V	DC 60V
Max. Allowable Current	3A	3A
Max. Allowable Power Force	360VA	360VA
	75W	75W
Min. Switching Load	DC 5V, 10mA	DC 5V, 10mA
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

Application

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

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 Strength.....1,000 V(between Coil & Contact 1.2x50μSec.)
- Insulation Resistance..... .100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
Electrical..... 30 Cycles per Minute.
Mechanical 300 Cycles per Minute.

- Temperature Range..... -25~55°C
- 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.
Error Operation..... 100 m/S².
- 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

Coil Type: D: Standard DC Coil

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

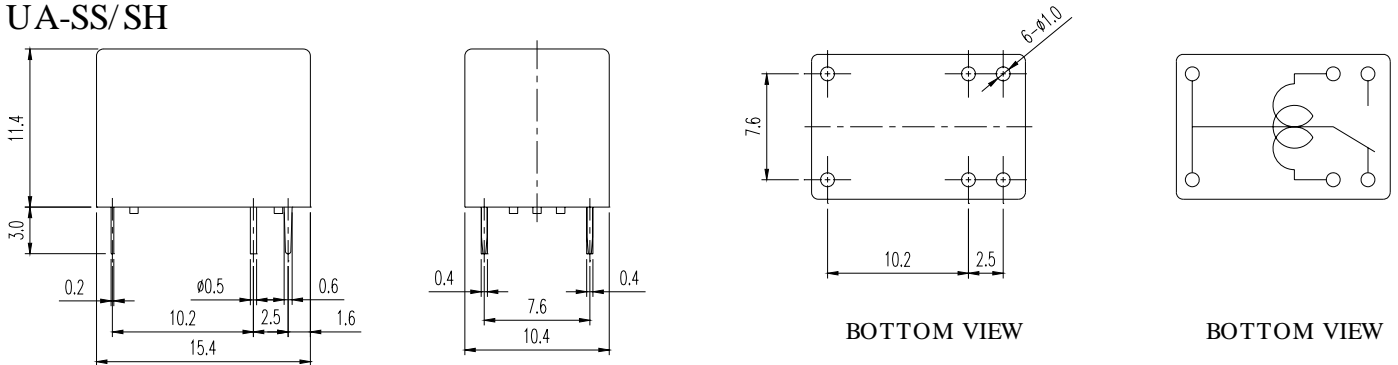
Type: UA

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

UA-SS/SH



Reference Data

