

## FEATURES

- 1 Form C (1PDT) contact arrangement
- 6g compact lightweight structure
- High resistance for vibration and shock
- Using at automotive, security systems, etc.



## ORDERING INFORMATION

LQ      12      S  
1      2      3      4

1. Type

2. Contact Arrangement

Nil: 1 Form C

2A: 1 PDM

3. Coil Nominal Voltage

4. Coil Sensitivity

Nil : Standard Type (0.8W)

S : High Sensitive Type (0.6W)

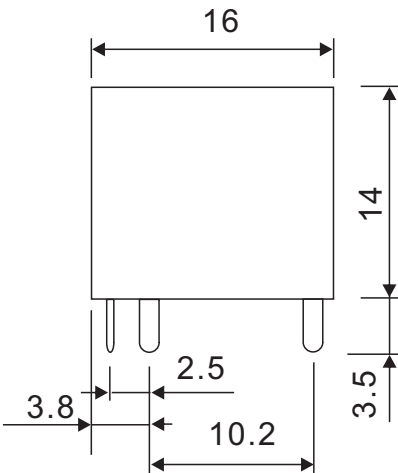
## CONTACT RATING

|            |                       |        |     |
|------------|-----------------------|--------|-----|
| 1 C (SPDT) | Resistive (Cos.θ = 1) | 14 VDC | 20A |
| 2 A (DPNO) | Resistive (Cos.θ = 1) | 14 VDC | 10A |

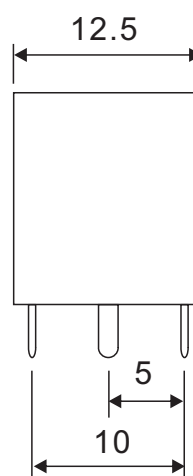
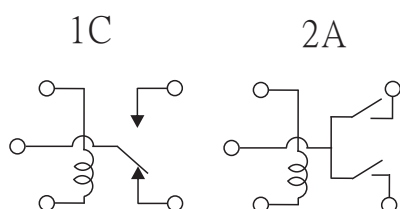
## COIL DATA(0.6W~0.8W, at 25°C)

| Coil Nominal Voltage (VDC) | Resistance Tol.±10% (Ohms) |      | Nominal Current (mA) |       | Maximum Pick Up Voltage (V) | Minimum Drop Out Voltage (V) |
|----------------------------|----------------------------|------|----------------------|-------|-----------------------------|------------------------------|
|                            | 0.8W                       | 0.6W | 0.8W                 | 0.6W  |                             |                              |
| 6                          | 45                         | 60   | 133.4                | 100.0 | 3.6                         | 0.6                          |
| 9                          | 100                        | 135  | 90.0                 | 66.7  | 5.4                         | 0.9                          |
| 12                         | 180                        | 240  | 66.7                 | 50.0  | 7.2                         | 1.2                          |
| 24                         | 720                        | 960  | 33.3                 | 25.0  | 14.4                        | 2.4                          |

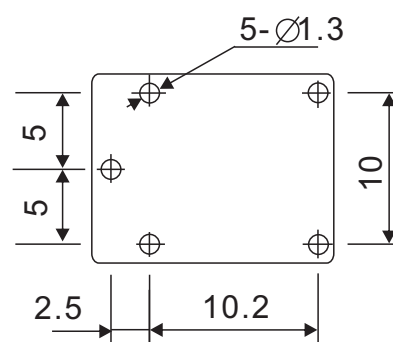
## DIMENSIONS(mm)



### WIRING DIAGRAM (BOTTOM VIEW)



## P.C.B LAYOUT (BOTTOM VIEW)



## GENERAL DATA

|                       |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance | 100 MΩ Min. (DC 500V)                                                                                                         |
| Dielectric Strength   | 500 VAC, 50/60Hz between contact.                                                                                             |
|                       | 1,000 VAC, 50/60Hz between all elements.                                                                                      |
| Contact Material      | Silver- Cadmium Oxide as standard.                                                                                            |
| Contact Resistance    | 100 milliohms max. ( initial value )                                                                                          |
| Shock Resistance      | Malfunction: 10G(11ms) ; Destructive: 100G(6ms)                                                                               |
| Vibration Resistance  | Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm                                                                       |
|                       | Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm                                                                       |
| Operation Time        | 10 ms max.                                                                                                                    |
| Release Time          | 5 ms max.                                                                                                                     |
| Temperature Range     | - 30°C ~ + 85°C                                                                                                               |
| Expected Life         | With operation rate 30/min.<br>Mechanical - 10,000,000 operations min.<br>Electrical - 100,000 operations min. at rated load. |
| Weight                | 6 grams                                                                                                                       |