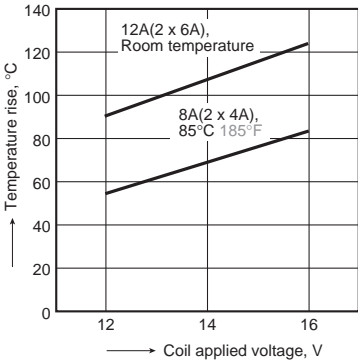


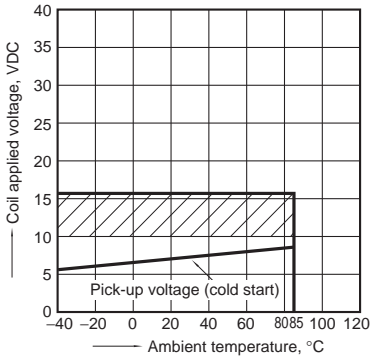
REFERENCE DATA

1. Coil temperature rise

Sample: AJJM831, 6pcs.  
Point measured: Inside the coil  
Contact carrying current: 2 × 6A, 2 × 4A  
Ambient temperature: Room temperature, 85°C  
185°F

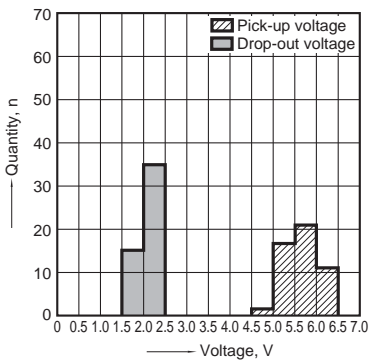


2. Ambient temperature and operating voltage range



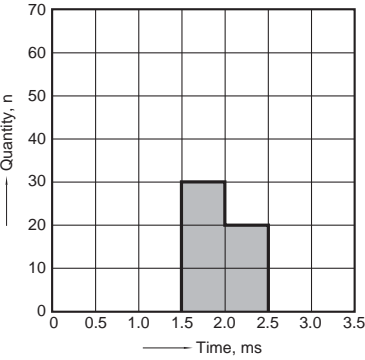
3. Distribution of pick-up and drop-out voltage

Sample: AJJM831, 50pcs.



4. Distribution of operate time

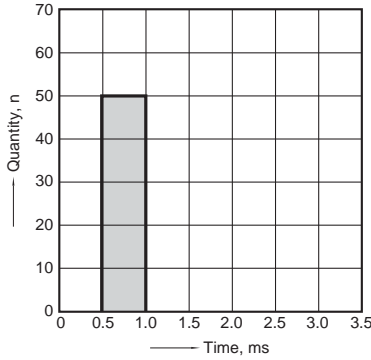
Sample: AJJM831, 50pcs.



5. Distribution of release time

Sample: AJJM831, 50pcs.

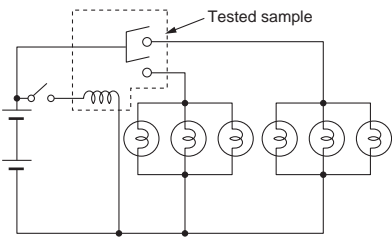
\* Without diode



6. Electrical life test (Lamp load)

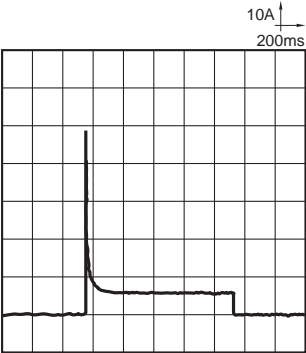
Sample: AJJM831, 6pcs.  
Load: 6 × 21W, inrush 48A, steady 5.5A  
Operating frequency: (ON 1s, OFF 14s)  
Ambient temperature: Room temperature

Circuit:

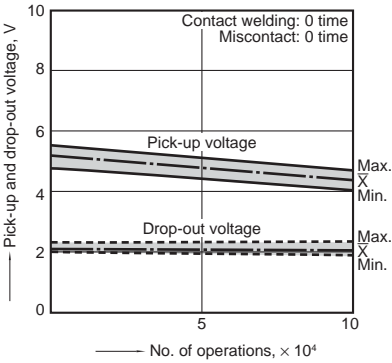


Load current waveform

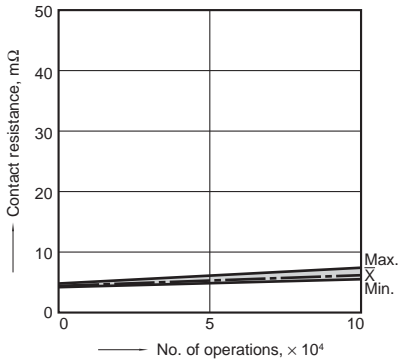
Current value per contact on one side  
Inrush current: 48A, Steady current: 5.5A

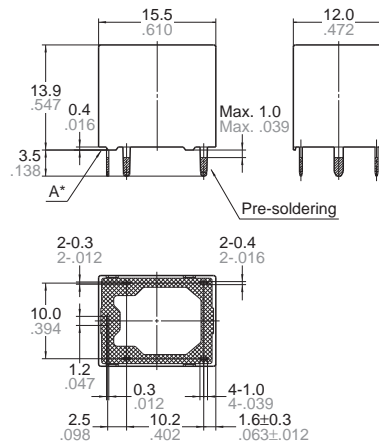
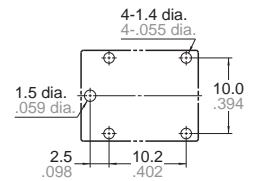
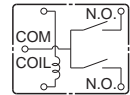


Change of pick-up and drop-out voltage



Change of contact resistance



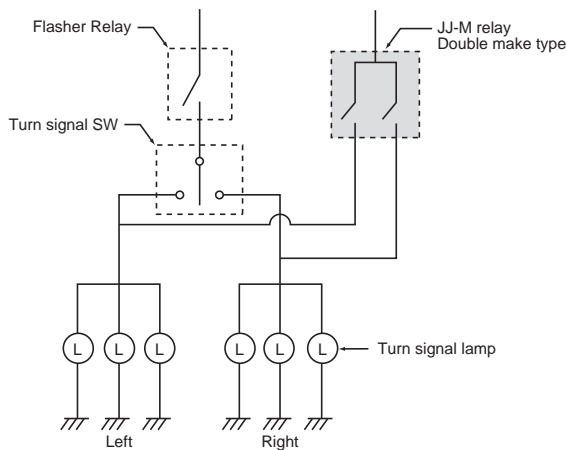
**DIMENSIONS** (mm inch)Download [CAD Data](#) from our Web site.**CAD Data****External dimensions****PC board pattern (Bottom view)**Tolerance:  $\pm 0.1 \pm .004$ **Schematic (Bottom view)**

| Dimension:                  | General tolerance  |
|-----------------------------|--------------------|
| Max. 1mm .039 inch:         | $\pm 0.1 \pm .004$ |
| 1 to 3mm .039 to .118 inch: | $\pm 0.2 \pm .008$ |
| Min. 3mm .118 inch:         | $\pm 0.3 \pm .012$ |

\* Dimensions (thickness and width) of terminal in this catalog is measured before pre-soldering.  
Intervals between terminals is measured at A surface level.

**EXAMPLE OF CIRCUIT**

Control circuit for turn signal lights (security system)



For Cautions for Use, see [Relay Technical Information](#).