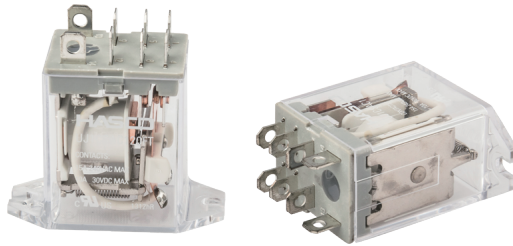




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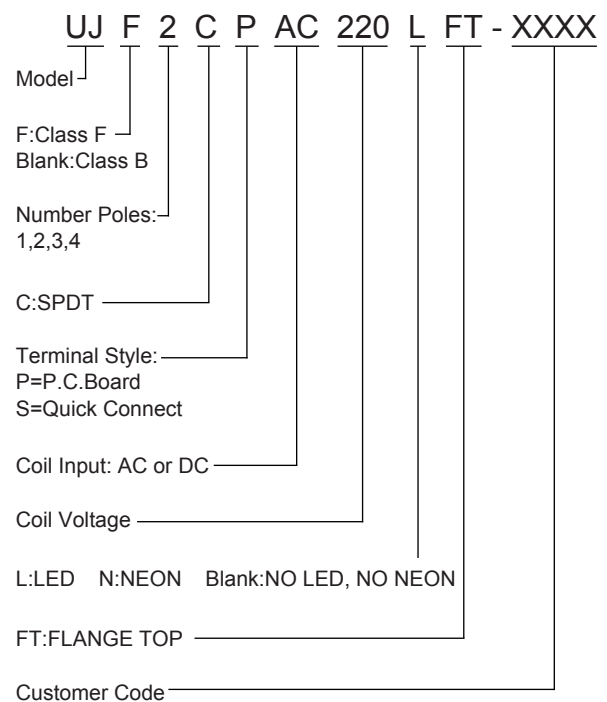
FEATURES

- 1 pole, 2 pole, 3 pole and 4 pole contact arrangement is available
- Many types of terminal style
- Transparent dust-proof cover, variety of installation methods
- Multiple sockets available

CONTACT RATINGS

Contact Arrangement	1C	2C, 3C, 4C
Contact Resistance	≤100mΩ (1A 6VDC)	
Contact Material	Silver Alloy	
Contact Rating(Resistive)	15A/240VAC 10A/30VDC	10A/240VAC 10A/30VDC
Max. Switching Voltage	240VAC/30VDC	
Max. Switching Current	15A	10A
Max. Switching Power	3600VA/300W	2400VAC/300W
Mechanical Life	2×10 ⁷ operations	
Electrical Life	See more details at "safety approval ratings"	

ORDERING INFORMATION



CHARACTERISTICS

Insulation Resistance	100MΩ (at 500VDC)	
Dielectric Strength	Between coil & contacts	2000VAC 1min
	Between open contacts	1000VAC 1min
	Between contacts sets	1000VAC 1min
Operate time (at nomi. volt.)	≤20ms	
Release time (at nomi. volt.)	≤20ms	
Humidity	35% ~ 85% RH	
Operation temperature	-40°C~+85°C	
UL Class B/F	Insulation System Class B/F	
Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance	10Hz ~ 55Hz 1mm DA	
Unit weight	1C:37g 2C:50g 3C:58g 4C:65g	
Construction	Dust Cover Type	

Notes: 1) The data shown above are initial values.
2) Please find coil temperature curve in the characteristic curves.

Notes:

1. PC board assembled with dust cover type and flux tight type relays can not be washed and/or coated.
2. Dust cover type and flux tight type relays can not be used in the environment with dust, or H₂S, SO₂, NO₂ or similar gaseous environment etc.

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RELAYS

COIL DATA

at 25°C

DC

Nominal Voltage VDC	Operate Voltage (Max.) VDC	Release Voltage (Min.) VDC	*Max. Allowable Voltage VDC	Coil Resistance $\Omega \pm 10\%$		
				1C, 2C	3C	4C
5	3.75	0.5	5.5	27.5	17.0	16.6
6	4.5	0.6	6.6	40.0	25.0	24.0
12	9.0	1.2	13.2	180	100	96.0
24	18.0	2.4	26.4	630	400	360
48	36.0	4.8	52.8	2600	1600	1540
110	82.5	11.0	121.0	11000	8400	6800

AC

Nominal Voltage VAC	Operate Voltage (Max.) VAC	Release Voltage (Min.) VAC	*Max. Allowable Voltage VAC	Coil Resistance $\Omega \pm 10\%$		
				1C, 2C	3C	4C
6	4.8	1.8	6.6	11.5	6.50	5.00
12	9.6	3.6	13.2	40.0	102	20.0
24	19.2	7.2	26.4	180	230	80.0
48	38.4	14.4	52.8	600	2500	320
120	96.0	36.0	132.0	3900	10000	2000
220	176.0	66.0	242.0	13000	10000	6700

Note: **Max Allowable Voltage**: The relay coil can endure max allowable voltage for a short period time only.

COIL

Coil Power	DC:900~1800mW
	AC:1.2~2.5VA

SAFETY APPROVAL RATINGS

UL&CUL	UJ1/2	N.O./N.C.:15A 240VAC, 6×10 ³ OPS N.O./N.C.:10A 277VAC, Ballast, 6×10 ³ OPS N.O./N.C.:1/2HP 277VAC, 6×10 ³ OPS N.O./N.C.:1/3HP 120VAC, 6×10 ³ OPS N.O./N.C.:10A 30VDC, 6×10 ³ OPS
	UJ3/4	N.O./N.C.:10A 240VAC, 6×10 ³ OPS

NOTES:

1. All values without specified temperature are at 25°C.
2. The above lists the typical loads only. Other loads may be available upon request.

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RELAYS

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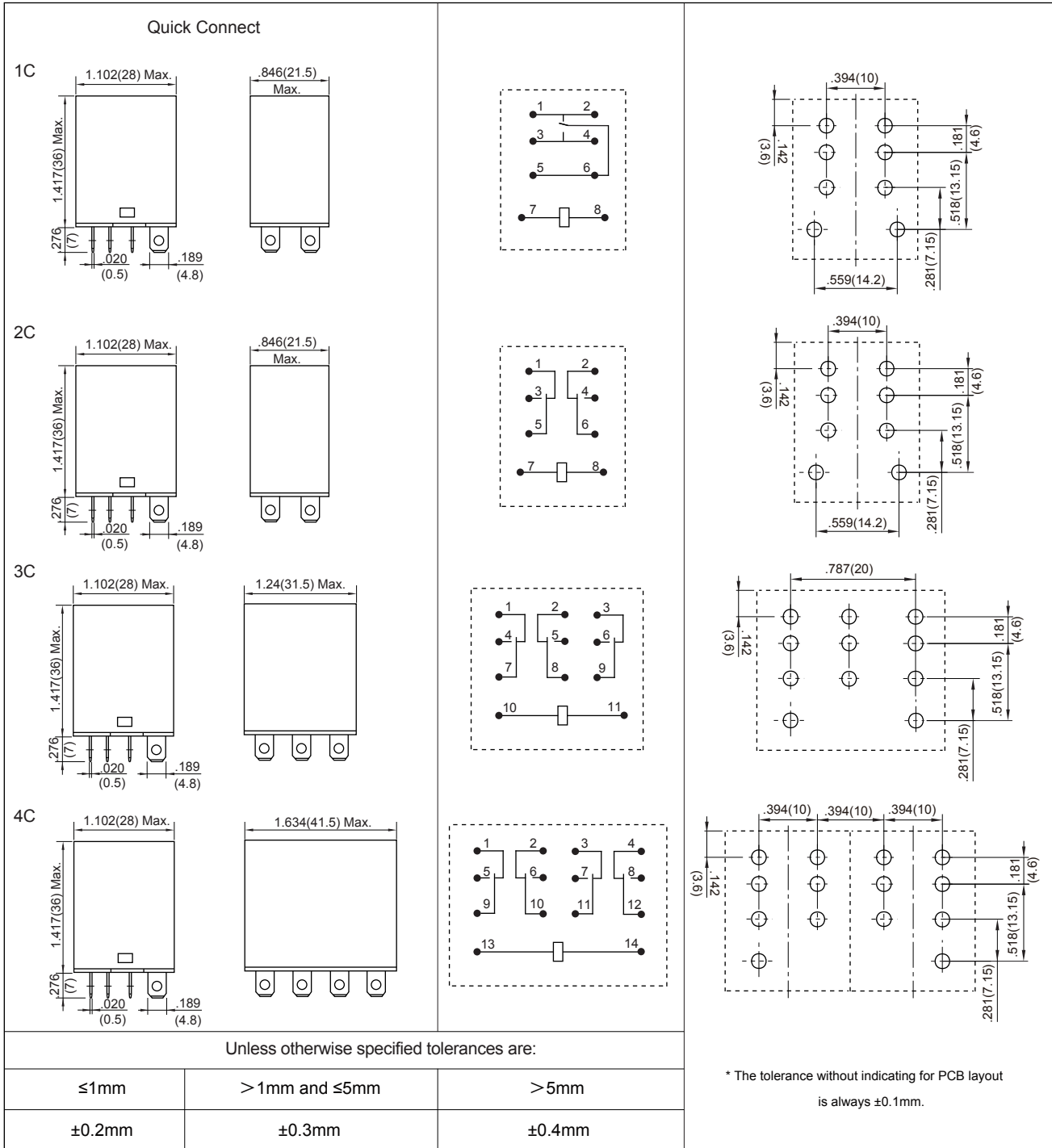
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

Wiring Diagram (Bottom view)

PCB Layout (Bottom view)



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RELAYS

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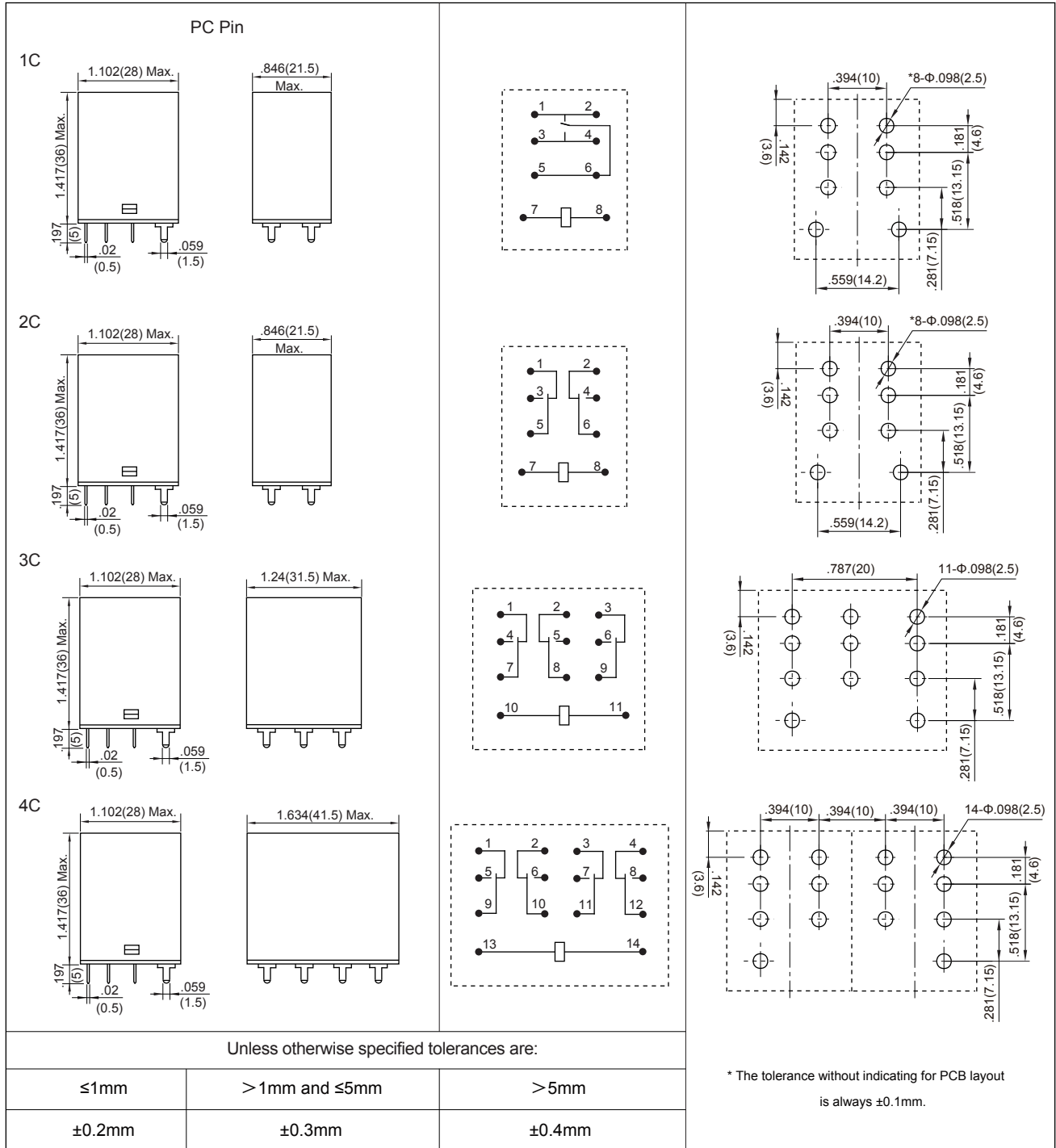
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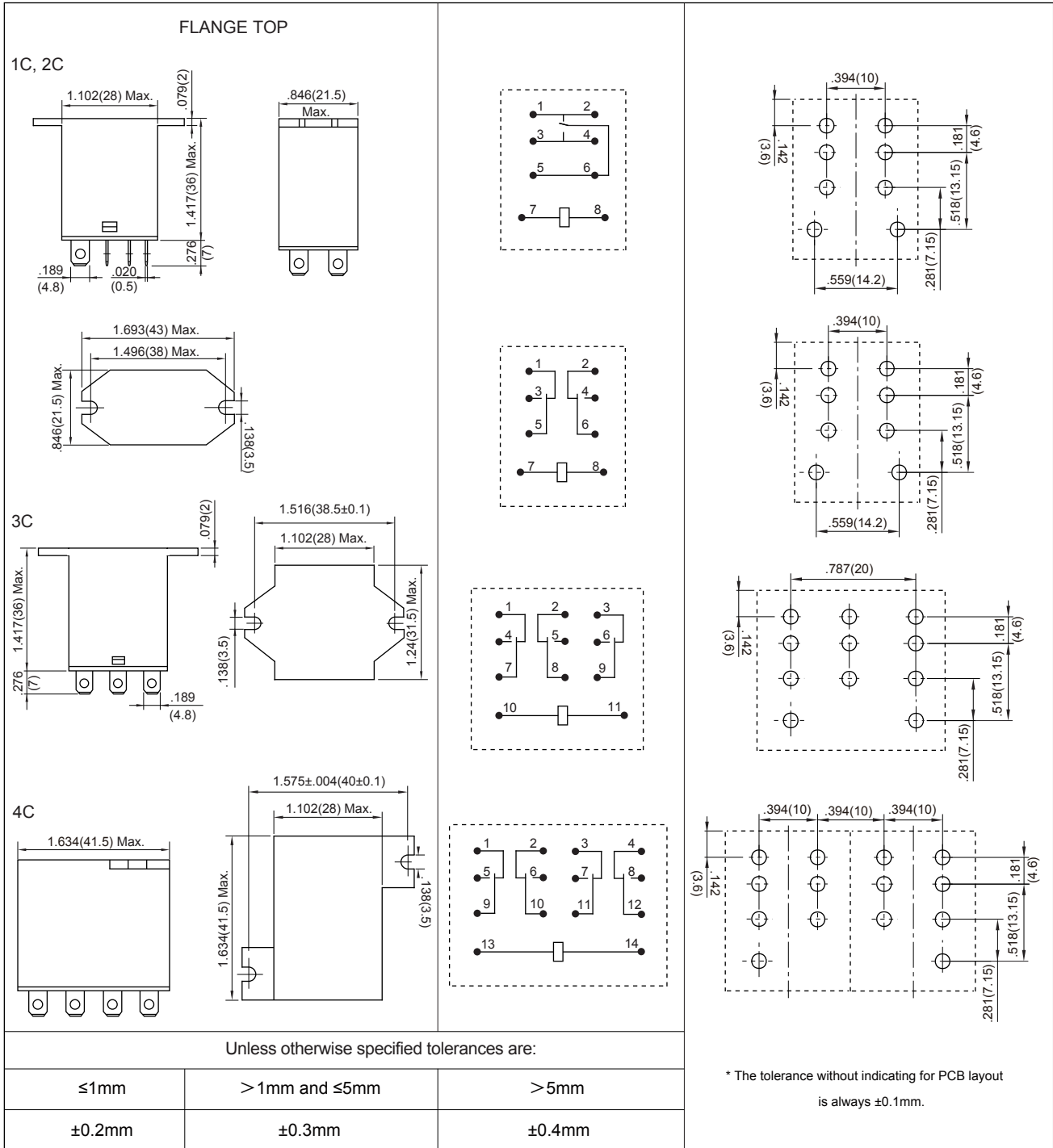
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

Wiring Diagram (Bottom view)

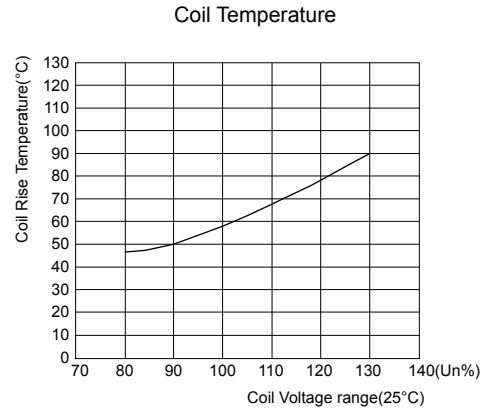
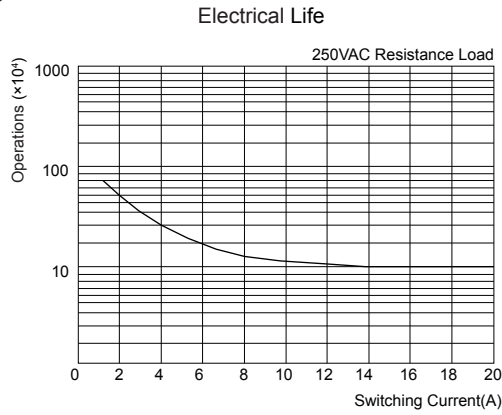
PCB Layout (Bottom view)



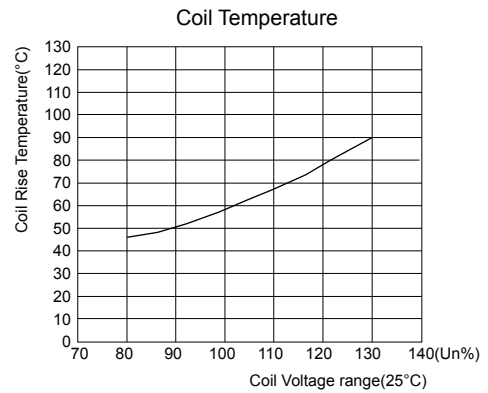
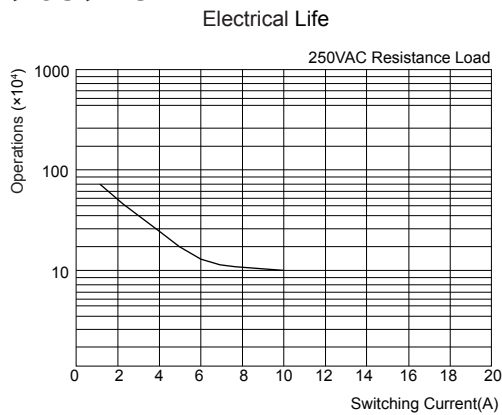
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CHARACTERISTIC CURVES

1C



2C、3C、4C



PACKAGING SPECIFICATION

PAPER BOX	OUTER CARTON	OUTER CARTON SIZE
20PCS	600PCS	L495mm*W315mm*H245mm

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APPLICATION GUIDELINES

Automatic Soldering

- * Flow solder is the optimum method for soldering.
- * Adjust the level of solder so that it does not overflow onto the top of the PC board.
- * Unless otherwise specified, solder under the following conditions depending on the type of relay.

Preheat time 20°C-100°C	Rising slope 20°C-120°C	Decreasing slope Peak-150°C	Welding temperature 255°C-265°C
90±5 seconds	< 3°C/s	< 4°C/s	3~5s

Hand Soldering

- * Keep the tip of the soldering iron clean.

Solder Iron	30W or 60W
Iron Tip Temperature	Approx. 350°C 662°F
Solder Time	Within approx. 3 seconds

- * Immediate air cooling is recommended to prevent deterioration of the relay and surrounding parts due to soldering heat.
- * Although the sealed type relay can be cleaned, avoid immersing the relay into cold liquid (such as washing solvent) immediately after soldering. Doing so may deteriorate the sealing performance.

Discard the dropped product

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