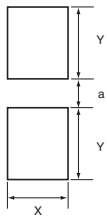


## Surface Mount Type

### Recommended Land Size (mm)



Size	X	Y	a			
φ3	1.6	2.2	0.8			
φ4	1.6	2.6	1.0			
φ5	1.6	3.0	1.4			
φ6.3	1.6	3.5	1.9			
φ8×5.4L, φ8×6.2L	2.5	4.0	2.1			
φ8 × 10L	2.5	3.5	3.0			
φ10	2.5	4.0	4.0			
Size	Welded terminal type			Perpendicularly mounted terminal type		
	X	Y	a	X	Y	a
φ12.5	4.0	7.5	7.0	2.0	7.3	3.0
φ16	6.0	8.5	9.5	2.0	7.9	5.3
φ18	6.0	9.5	10.5	2.0	8.9	5.3

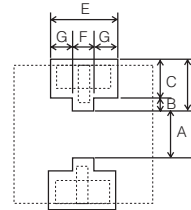
※ A chip product of φ12.5 or more in size and with a bent terminal shape indicates a product where the 11th digit of the product number code is "Q".

### Vibration Resistance Type (UCZ, UCX, UUE, UBC)

#### ① φ6.3 to 10

Size	X	Y	a
φ6.3 × 7.7L	3.0	4.0	1.6
φ6.3 × 10 L	3.0	4.0	1.6
φ8 × 10 L	4.3	5.3	2.0
φ10 × 10 L	4.3	5.6	3.3

#### ② φ12.5 to 18

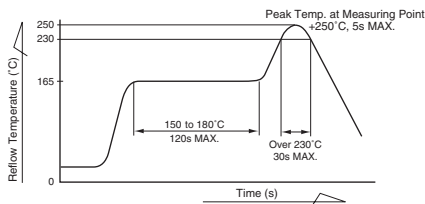


Size	A	B	C	D	E	F	G
φ12.5	3.0	2.3	5.0	7.3	7.0	2.0	2.5
φ16	5.3	2.9	5.0	7.9	7.0	2.0	2.5
φ18	5.3	3.1	5.8	8.9	11.0	2.0	4.5

## Soldering by Reflow

### Table-1

#### Chip Type Aluminum Electrolytic Capacitors



#### φ10 or Smaller

(UZS, UZT, UWX, UWR, UWP, UWT<sup>\*1</sup>, UWF, UWG, UUP, UUT, UUA, UUL, UCB, UCW, UCD<sup>\*2</sup>, UCL, UCM, UCV, UUD, UUB<sup>\*3</sup>, UCJ, UCZ<sup>\*2</sup>, UCH, UCX<sup>\*2</sup>, UUR, UUX<sup>\*3</sup>, UUU, UCQ, UUE<sup>\*2</sup>, UBC<sup>\*2</sup>)

<sup>\*1</sup>φ8×5.4L : Refer to the table-2

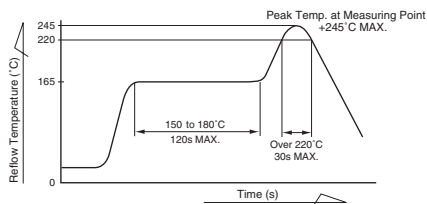
<sup>\*2</sup>φ12.5 or greater : Refer to the table-4

<sup>\*3</sup>160 to 400V : Refer to the table-3

- Pre - heating shall be done at +150°C to 180°C and for 120 seconds.
- The temperature at capacitor Top shall not exceed +250°C.
- The duration for over +230°C temperature at capacitor surface shall not exceed 30 seconds.
- The standard temperature profile differs by every reflow method.
- Reflow shall be done within 2 cycles. please make sure the parts have enough cooling down time between the first and second soldering process.
- Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.

### Table-2

#### Chip Type Aluminum Electrolytic Capacitors



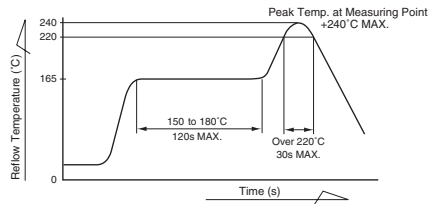
#### φ8×5.4L (UWX, UWP, UWT)

- Pre - heating shall be done at +150°C to 180°C and for 120 seconds.
- The temperature at capacitor Top shall not exceed +245°C.
- The duration for over +220°C temperature at capacitor surface shall not exceed 30 seconds.
- The standard temperature profile differs by every reflow method.
- Reflow shall be done within 2 cycles. please make sure the parts have enough cooling down time between the first and second soldering process.
- Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.

## • Table-3

Chip Type Aluminum Electrolytic Capacitors

3.9L (UZR, UZG), UUX(160 to 400V), UUB(160 to 400V) , ULT, ULH, ULR, ULV

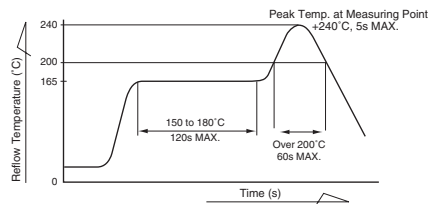


- Pre - heating shall be done at +150°C to 180°C and for 120 seconds.
- The temperature at capacitor Top shall not exceed +240°C.
- The duration for over +220°C temperature at capacitor surface shall not exceed 30 seconds.
- The standard temperature profile differs by every reflow method.
- Reflow shall be done within 2 cycles. please make sure the parts have enough cooling down time between the first and second soldering process.( $\phi 6.3$  : 1 cycle only)
- Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.

## • Table-4

Chip Type Aluminum Electrolytic Capacitors

$\phi 12.5$  or greater (UCD, UCX, UCZ, UUG, UUU, UUN, UUE, UBC)

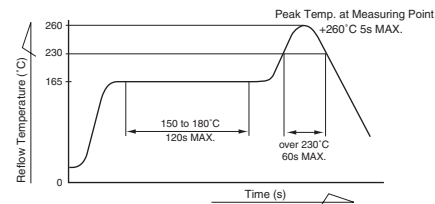


- Pre - heating shall be done at +150°C to 180°C and for 120 seconds.
- The temperature at capacitor Top shall not exceed +240°C.
- The duration for over +200°C temperature at capacitor surface shall not exceed 60 seconds.
- The standard temperature profile differs by every reflow method.
- Reflow shall be done within 2 cycles. please make sure the parts have enough cooling down time between the first and second soldering process.
- Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.

## • Table-5

Chip Type Aluminum Electrolytic Capacitors

(For High Temp. Reflow) UWJ, UWZ, UWD, UWH



- Pre - heating shall be done at +150°C to 180°C and for 120 seconds.
- The temperature at capacitor surface shall not exceed +260°C.
- The duration for over +230°C temperature at capacitor surface shall not exceed 60 seconds.
- The standard temperature profile differs by every reflow method.
- Reflow shall be done within 2 cycles. please make sure the parts have enough cooling down time between the first and second soldering process.
- ( $\phi 8 \times 6.2$  and  $\phi 10 \times 10$  : 1 cycle only)
- Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.