

## Surface Mount Type

### Recommended Land Size (mm)

● Conductive polymer aluminum solid electrolytic capacitors

Size	X	Y	a
φ5	1.6	3.0	1.4
φ6.3	1.6	3.5	2.1
φ8	2.0	3.5	3.0
φ10	2.0	4.0	4.0

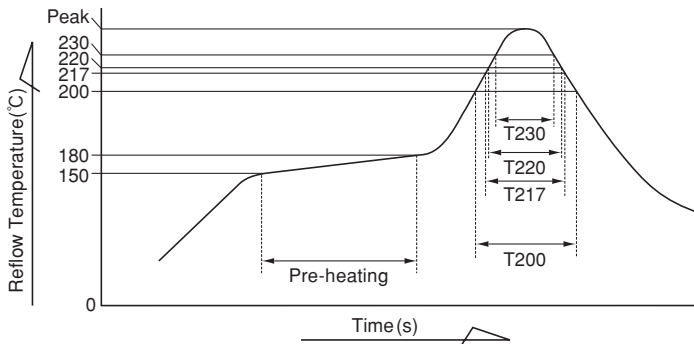
● Conductive polymer aluminum solid electrolytic capacitors  
Vibration Resistance Type (PCX, PCR, PCM, PCH, PCZ)

Size	X	Y	a
φ6.3 × 8L	3.0	4.0	1.6
φ8 × 10.5L	4.3	5.3	2.0
φ10 × 10.5L	4.3	5.6	3.3
φ10 × 13.2L	4.3	5.6	3.3

● Conductive polymer hybrid aluminum electrolytic capacitors  
(GYA, GYB, GYC, GYD)

Size	X	Y	a
φ6.3	1.6	3.5	1.9
φ8	2.5	3.5	3.0
φ10	2.5	4.0	4.0

### Recommended conditions of Soldering by Reflow



T200 : Duration for over +200°C at capacitor surface.  
 T217 : Duration for over +217°C at capacitor surface.  
 T220 : Duration for over +220°C at capacitor surface.  
 T230 : Duration for over +230°C at capacitor surface.

The temperature measuring point is at the case top.

Please contact us if capacitors are subject to the conditions other than the allowable range of reflow.

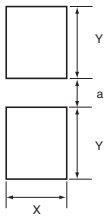
No.	Type · Series	Size	Pre - heating	Peak temperature	Duration over 230°C	Duration over 220°C	Duration over 217°C	Duration over 200°C	Reflow cycle
1	Chip Type Conductive Polymer Aluminum Solid Electrolytic Capacitors (PCF, PCJ, PCK, PCG, PCS, PCL, PCV, PCX, PCR, PCM, PCH, PCZ)	—	+150°C to 200°C from 60 to 180s	260°C Max.	within 60s	—	within 70s	—	1cycle only (within 2 cycles <sup>*2</sup> for series <sup>*1</sup> )
		—		250°C Max.	within 60s	—	within 70s	—	within 2 cycles <sup>*2</sup>
2	Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (GYA, GYB, GYC, GYD)	—	+150°C to 180°C within 120s	260°C Max.	within 40s	—	within 50s	—	1cycle only
		—		250°C Max.	within 30s	—	within 40s	—	within 2 cycles <sup>*2</sup>

※1: Including PCR, PCM, PCH and PCZ.

s=seconds

※2: Please make sure the parts have enough cooling down time between the first and second soldering process.

Recommended Land Size



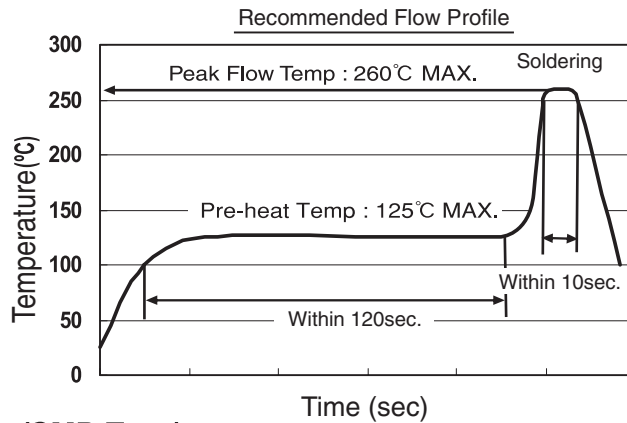
● Conductive polymer aluminum solid electrolytic capacitors  
 RPS, RPA, RHS, RHA, RSS, RSA, RSB, RFS, RFA, RSL (mm)

Size	X	Y	a	
FPCAP	φ4	1.6	2.6	1.0
	φ5	1.6	3.0	1.4
	φ6.3	1.6	3.5	2.1
	φ8	1.9	4.2	2.8
	φ10	1.9	4.4	4.3

Lead free and RoHS directive compliant soldering requirements

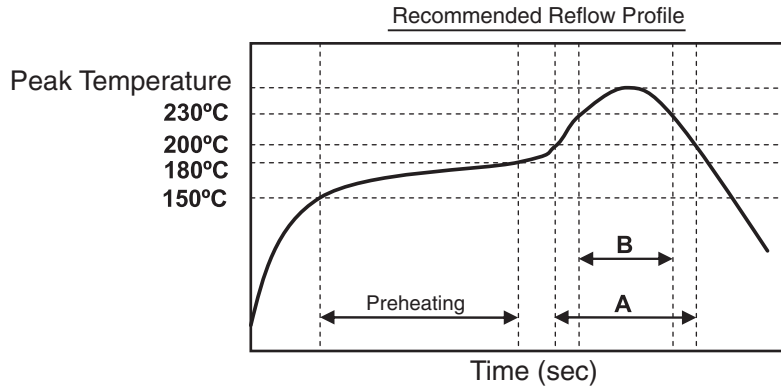
Flow Soldering(Radial Lead Type)

RNS, RR7, RR5, RL8, RE5, RS8, RF8, RNU, RNE, RNL, RS6, RHT



Reflow Soldering(SMD Type)

RPS, RPA, RHS, RHA, RSS, RSA, RSB, RFS, RFA, RSL



Item	Recommended Condition 1	Recommended Condition 2
Peak Temperature	260°C MAX.	250°C MAX.
Preheating	150°C to 180°C within 90 seconds	150°C to 180°C within 90 seconds
A	200°C and higher within 60 seconds	200°C and higher within 60 seconds
B	230°C and higher within 40 seconds	230°C and higher within 40 seconds
The Number of Reflow	Only 1 time	Twice or less