



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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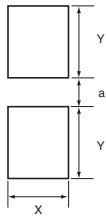
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Surface Mount Type

Recommended Land Size (mm)



Conductive polymer aluminum solid electrolytic capacitors

| Size | X | Y | a |
|------|-----|-----|-----|
| φ4 | 1.6 | 2.6 | 1.0 |
| 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)

| 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 |

※ Please refer to page 25 about the FPCAP product spec.

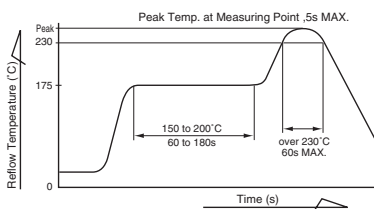
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

| 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 |

Soldering by Reflow

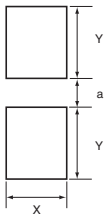
Table-1

Chip Type Conductive Polymer Aluminum Solid Electrolytic Capacitors ※ (PCF, PCJ, PCK, PCG, PCS, PCV, PCX, PCR)
Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (GYA)



- Pre - heating shall be done at +150°C to 200°C and for 60 to 180 seconds.
- The duration for over +230°C temperature at capacitor surface shall not exceed 60 seconds.
- The standard temperature profile differs by every reflow method.
- Peak temp. +260°C or below : Reflow shall be done 1 cycle only.
- Peak temp. +250°C or below : Reflow shall be done within 2 cycles.
- Please make sure the parts have enough cooling down time between the first and second soldering process.
- The temperature at capacitor Top shall not exceed the peak temperature.
- Please contact us if capacitors are subject to the conditions other than the allowable range at reflow.

Recommended Land Size



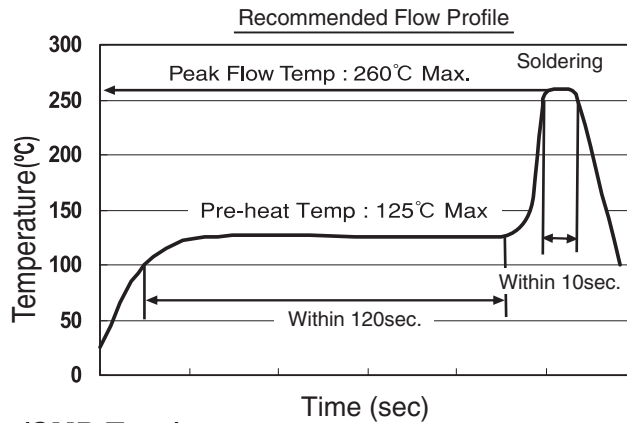
● Conductive polymer aluminum solid electrolytic capacitors
 RPS, RPA, RHS, RHA, RSS, RSA, RSB, RFS, RFA, RSL (mm)

| 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

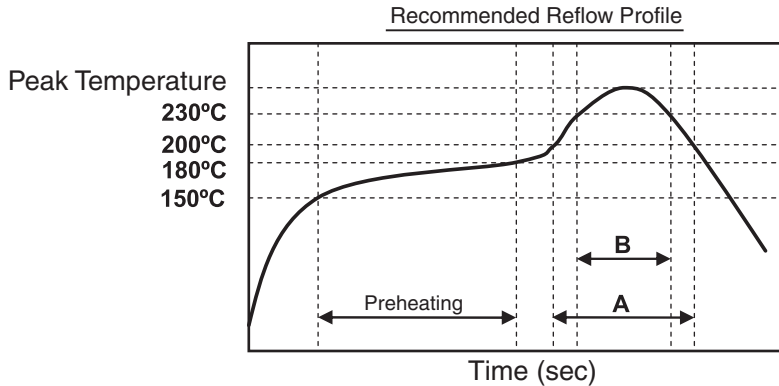
Flow Soldering(Radial Lead Type)

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 or less | 250°C or less |
| 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 |