Miniature Aluminum Electrolytic Capacitors

- **BX**
  - 55 to +105°C
  - High Ripple Current
  - For automobile equipment

- **BY**
  - 55 to +105°C
  - High Ripple Current
  - For automobile equipment

- **HZ**
  - -25 to +105°C
  - Extremely Low Impedance
  - For telecommunication equipment

- **BW**
  - 55 to +125°C
  - For industrial equipment

- **HE**
  - -40 to +105°C
  - Extremely Low Impedance
  - For telecommunication equipment

- **BT**
  - 40 to +125°C
  - High Reliability
  - For industrial equipment

- **PZ**
  - -25 to +105°C
  - Miniature, High Ripple Current
  - Long Life

- **CA**
  - -25 to +105°C
  - Miniature, High Ripple Current
  - Long Life

- **PT**
  - -40 to +105°C
  - Miniature, High Ripple Current
  - Long Life

- **PS**
  - -40 to +105°C
  - Miniature, High Ripple Current
  - Long Life

105°C - Standard product

- **MT**
  - -55 to +105°C
  - Wide temperature range

- **ST**
  - -55 to +105°C
  - Wide temperature range

- **VZ**
  - -55 to +105°C
  - Standard
  - Wide temperature range

- **RY**
  - -55 to +105°C
  - Wide temperature range

- **EP**
  - -55 to +105°C
  - Wide temperature range

85°C - Standard product

- **MV**
  - -40 to +105°C
  - Standard
  - 5000 h load life

- **SV**
  - -40 to +105°C
  - Standard
  - 5000 h load life

- **PV**
  - -55 to +105°C
  - Standard
  - Low Impedance

5mmL

- **PA**
  - -55 to +105°C
  - Miniature Sized
  - Standard
  - Low Impedance

- **MF**
  - -55 to +105°C
  - Miniature Sized
  - Standard
  - Low Impedance

- **VR**
  - -40 to +85°C
  - Standard
  - Bi-trained

- **RS**
  - -40 to +85°C
  - Low profile compact

- **VK**
  - -40 to +85°C
  - Miniature Sized
  - Standard

- **RU**
  - -40 to +85°C
  - 12.5mmL

- **SP**
  - -40 to +85°C
  - Standard
  - 7mmL

- **SR**
  - -40 to +85°C
  - Standard
  - 7mmL

5mmL

- **KL**
  - -40 to +85°C
  - Low leakage Current
  - For memory back-up

- **JB**
  - -25 to +85°C
  - For memory back-up

- **TM**
  - -40 to +85°C
  - For timer circuits

- **MP**
  - -40 to +85°C
  - Standard
  - Bi-trained

- **DB**
  - -40 to +85°C
  - For general audio equipment

- **ES**
  - -40 to +85°C
  - Bi-trained
  - For audio equipment

- **UQ**
  - -40 to +85°C
  - Chip
  - For speaker networks

- **AQ**
  - -40 to +105°C
  - Permissible abnormal voltage

- **KT**
  - -55 to +105°C
  - Premium grade
  - For audio equipment

- **KW**
  - -40 to +85°C
  - High grade
  - For general audio equipment

- **ES**
  - -40 to +85°C
  - Bi-trained
  - For audio equipment

- **DB**
  - -40 to +85°C
  - For general audio equipment

- **UQ**
  - -40 to +85°C
  - Chip
  - For speaker networks
Chip Aluminum Electrolytic Capacitors

- **ZE**
  -40 to +85°C
  Chip type 3.95mmL, Max.
  Bi-polarized
  - Smaller

- **ZP**
  -40 to +85°C
  Chip type 4.5mmL, Max.
  Bi-polarized
  - Smaller

- **WP**
  -40 to +85°C
  Chip type 4.5mmL, Max.
  Bi-polarized
  - Bi-polarized

- **UP**
  -55 to +105°C
  Chip type Bi-polarized
  - Extended range

- **UN**
  -55 to +105°C
  Chip type Bi-polarized
  - Higher capacitance

- **ZD**
  -40 to +85°C
  Chip type 3.0mmL, Ultra-Smaller-Sized
  - Bi-polarized

- **ZR**
  -40 to +85°C
  Chip type 3.95mmL, Max.
  Standard
  - Smaller

- **ZS**
  -40 to +85°C
  Chip type 4.5mmL
  Standard
  - Smaller

- **WX**
  -40 to +85°C
  Chip type 4.5mmL, Max.
  Standard
  - Extended range

- **WJ**
  Wide temp. Reflow
  - Wide temperature

- **ZT**
  -55 to +105°C
  Chip type 4.5mmL, Wide temp. range
  - Smaller

- **WT**
  -55 to +105°C
  Chip type Wide temp. range
  - Longer life

- **WZ**
  Wide temp. Reflow
  - Wide temperature

- **WF**
  -55 to +105°C
  Chip type Low impedance
  - Low impedance

- **WA**
  -55 to +105°C
  Chip type 3000 to 5000h load life
  - Longer life

- **MZ**
  -40 to +85°C
  Chip type 3.95mmL, Max.
  Wide temp. range
  - Bi-polarized

- **ZP**
  -40 to +85°C
  Chip type 4.5mmL, Max.
  Bi-polarized
  - Smaller

- **UX**
  -55 to +105°C
  Chip type Wide temp. range
  - Extended range

- **UJ**
  -55(-40) to +105°C
  Chip type Higher capacitance
  - Higher capacitance

- **UH**
  -55(-40) to +125°C
  Chip type High Reliability
  - High Reliability

- **WA**
  -55 to +105°C
  Chip type Low impedance
  - Low impedance

- **WD**
  -55 to +105°C
  Chip type 7000h load life
  - Low impedance

- **CW**
  -55 to +105°C
  Chip type 7000h load life
  - Low impedance

- **CL**
  -55 to +105°C
  Chip type Low impedance
  - Low impedance

- **CD**
  -55 to +105°C
  Chip type Low impedance
  - Low impedance

- **CB**
  -25 to +105°C
  Chip type 7000h load life
  - Low impedance

- **BC**
  -55(-40) to +150°C
  Chip type, Vibration Resistance
  - Vibration Resistance

- **CG**
  -40 to +125°C
  Chip type High Reliability ESR specification
  - Add ESR specification

- **CB**
  -25 to +105°C
  Chip type 7000h load life
  - Low impedance

- **UA**
  -55 to +105°C
  Chip type
  - Longer life

- **UB**
  -40 to +125°C
  Chip type
  - High Reliability

- **UE**
  -55(-40) to +125°C
  Chip type, Vibration Resistance
  - High Reliability

- **CB**
  -25 to +105°C
  Chip type
  - Low impedance

- **CD**
  -55 to +105°C
  Chip type
  - Low impedance

- **CB**
  -25 to +105°C
  Chip type
  - Low impedance

- **CB**
  -25 to +105°C
  Chip type
  - Low impedance

- **CB**
  -25 to +105°C
  Chip type
  - Low impedance
Large Can Aluminum Electrolytic Capacitors

105°C product

- **GJ** (15)
  - −40 (−25) to +105°C
  - Low profile-sized (15mmL)

- **GL**
  - −25 to +105°C
  - Ultra Smaller-sized

- **GS**
  - −25 to +105°C
  - Permissible abnormal voltage

- **GS**
  - −25 to +105°C
  - Permissible for rapid charge and discharge application

- **QS**
  - −25 to +105°C
  - Permissible abnormal voltage, Smaller-sized

85°C product

- **LG**
  - −40 (−25) to +85°C
  - Smaller-sized

- **LS**
  - −40 (−25) to +85°C
  - Standard

Audio equipment

- **KG**
  - −40 to +85°C
  - For Audio equipment
  - Lug/Snap-in terminal type

- **KS**
  - −40 to +85°C
  - For Audio equipment
  - Snap-in terminal type

- **KX**
  - −40 (−25) to +105°C
  - For Audio equipment of Switching Power Supplies
  - Smaller-sized

Screw Terminal Type

- **NY**
  - −40 to +85°C
  - High voltage
  - For General Inverter
  - Smaller-sized

- **NX**
  - −25 to +85°C
  - Long life Assurance

- **QR**
  - −25 to +85°C
  - Permissible for rapid charge and discharge application

- **NR**
  - −40 (−25) to +85°C
  - Standard

- **NT**
  - −40 (−25) to +105°C
  - Standard

- **NK**
  - −25 to +85°C
  - Smaller-sized

- **NC**
  - −40 to +85°C
  - Smaller-sized
  - High ripple current
System Diagram for FPCAP

Radial lead type

- **Standard NS series**
  - φ6.3/7 / 10, φ8/11.5, φ10/12.5
  - 0 to 25V
  - 10 to 1200µF
  - 105°C, 2000h

- **Large Cap. NU series**
  - φ4.5, φ6/10, φ8/11.5, φ10/12.5
  - 2.5 to 63V
  - 10 to 2700µF
  - 105°C, 2000h / 5000h

- **Large Cap. NE series**
  - φ5.8 / 10, φ6.3 / 10, φ6 to 11.5, φ10/12.5
  - 2.5 to 16V
  - 100 to 1200µF
  - 105°C, 2000h

- **Miniature Large Cap. S6 series**
  - φ4.3 / 5, φ4.6 / 8
  - 2.5 to 25V
  - 33 to 560µF
  - 105°C, 2000h

SMD type

- **Standard PS series**
  - φ6/6.7 / 11.7, φ10/7.7 / 12.4
  - 2.5 to 63V
  - 15 to 1500µF
  - 105°C, 2000h

- **Large Cap. HS series**
  - 2.5 to 35V
  - 100 to 1500µF
  - 105°C, 2000h

- **Large Cap. SS series**
  - φ6.3/7
  - 2.5 to 25V
  - 10 to 560µF
  - 105°C, 2000h

- **Large Cap. FS series**
  - φ5.2, φ5.5
  - 2.5 to 25V
  - 10 to 180µF
  - 105°C, 2000h

- **ESR 7mΩ R7 series**
  - φ11.5, φ10/12.5
  - 2.5 to 10V
  - 68 to 1500µF
  - 105°C, 2000h

- **ESR 5mΩ R5 series**
  - φ11.5, φ10/2.5
  - 2.5 to 6.3V
  - 390 to 1500µF
  - 105°C, 2000h

- **ESR 5mΩ E5 series**
  - φ8
  - 2.5 to 4V
  - 560 to 1200µF
  - 105°C, 2000h

- **Low Profile L8 series**
  - φ8
  - 2.5 to 35V
  - 100 to 1200µF
  - 100°C, 2000h / 5000h

- **Low ESR / Large Cap. S6 series**
  - φ6.3 / 8
  - 2.5 to 16V
  - 150 to 1000µF
  - 105°C, 2000h

- **Low ESR / Large Cap. F8 series**
  - φ6 / 8
  - 2.5 to 6.3V
  - 100 to 560µF
  - 100°C, 2000h

- **High Temperature Guarantee 125°C HT series**
  - φ6/11.5, φ10/12.5
  - 6.3 to 20V
  - 150 to 820µF
  - 125°C, 1000h

- **Low ESR PA series**
  - 4.0 to 16V
  - 39 to 560µF
  - 105°C, 2000h

- **Low ESR HA series**
  - φ6/6.7, φ7/7.7
  - 2.5 to 16V
  - 150 to 1000µF
  - 105°C, 2000h

- **Low ESR SA series**
  - φ3.3 / 5.7
  - 2.5 to 16V
  - 100 to 560µF
  - 105°C, 2000h

- **Low ESR SB series**
  - φ3/5.7
  - 2.5 to 6.3V
  - 220 to 560µF
  - 105°C, 2000h

- **Low Profile SL series**
  - φ3/4.2
  - 2.5 to 25V
  - 15 to 330µF
  - 105°C, 2000h

- **Molded Chip NEW**
  - Standard / Low ESR VA/VB series
    - 7.3 / 4, 3.2 / 8
    - 2.5 to 25V
    - 7.3 to 20V
    - 15 to 220µF
    - 125°C, 1000h

NICHICON CORPORATION / FPCAP ELECTRONICS (SUZHOU) CO., LTD.