

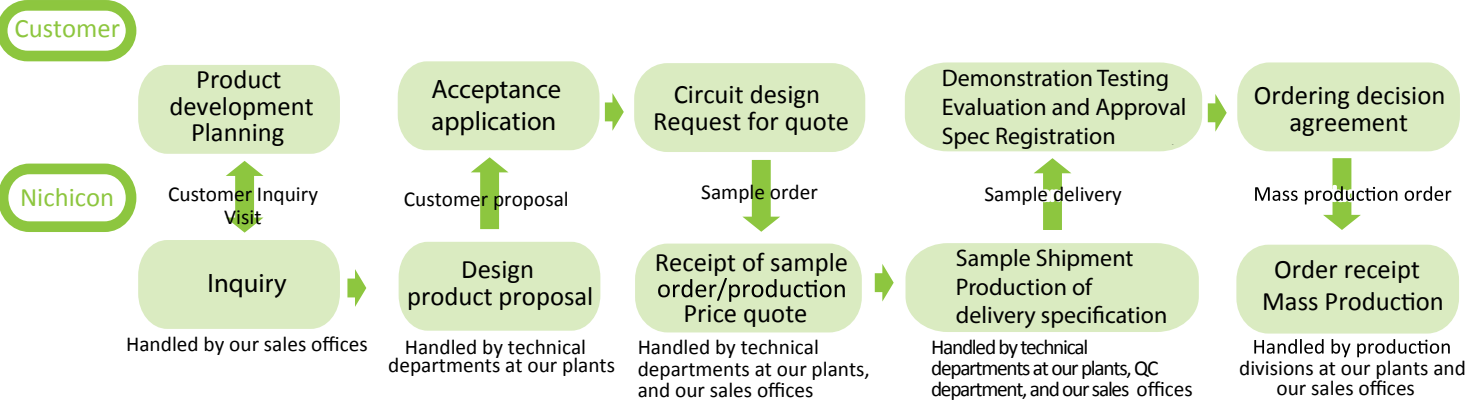
Production By Country

	Snap-in terminal type aluminum electrolytic capacitors	Screw terminal type aluminum electrolytic capacitors	Radial leaded type electrolytic capacitors	Surface mount type electrolytic capacitors	Electric double layer capacitors	Conductive polymer aluminum solid electrolytic capacitors	Film capacitors
Japan	●	●	●	●	●	●	●
China	●	●	●	●		●	
Malaysia	●		●	●		●	

Note: Please confirm when ordering because manufacturing locations or part availability may change.

Standard Process for Custom Product Development

We offer products optimized to meet our customers' application, size and other design needs.



Note: Please confirm product development details with your local sales representative or Nichicon (America) Corporation

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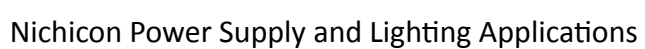
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Aluminum electrolytic capacitors



The diagram shows a power supply system with the following components and callouts:

- Input filter:** The first stage, consisting of a capacitor and an inductor.
- ON/OFF rectification in-rush prevention:** A block containing a MOSFET and a diode.
- Callout 1:** A red circle highlights a Zener diode connected in parallel with the MOSFET's gate.
- Main SW:** A block representing the main switch, containing an inductor and a MOSFET.
- Rectification:** The final stage, consisting of a transformer and a diode bridge.
- Callout 2:** A blue circle highlights a Zener diode connected in parallel with the output of the rectification stage.

Conductive Polymer (FPCap)

```
graph TD; NS[NS] -- "Lower ESR" --> R7[R7]; R7 -- "Lower ESR" --> R5[R5]; NS -- "Higher capacitance" --> NU[NU]; NU -- "Higher capacitance" --> NE[NE]; NE -- "Higher capacitance" --> S6[S6]; R7 -- "Higher capacitance" --> L8[L8]; L8 -- "Higher capacitance" --> S8[S8]; L8 -- "Lower ESR" --> E5[E5]; R5 -- "Higher capacitance" --> E5; E5 -- "Able to withstand High Temperature" --> HT[HT];
```

Diagram illustrating the evolution of Conductive Polymer (FPCap) materials, showing the progression from NS to HT through various intermediate materials (R7, R5, NU, L8, E5, NE, S8, S6, F8) and the resulting properties (Lower ESR, Higher capacitance, Low profile, and the ability to withstand High Temperature).