



Nippon Chemi-Con Corporation

Aluminum Electrolytic Capacitors for Through Hole Reflow (THR)

Nippon Chemi-Con Corporation has developed the world's first through hole reflow (THR) aluminum electrolytic capacitor.

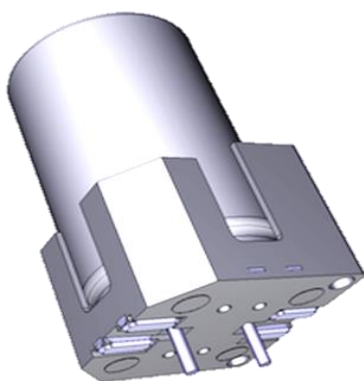
Flow soldering is the conventional method used for radial-lead type aluminum electrolytic capacitors. However, as reflow soldering expanded, using both methods caused a particularly large strain on customers in the automotive electronics market.

The THR capacitor can replace the flow process with the reflow process.

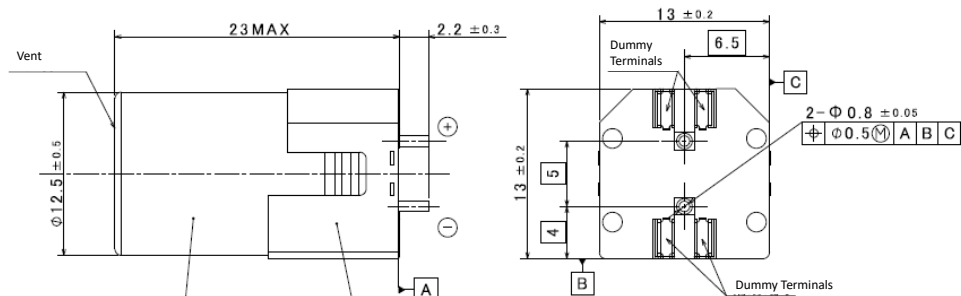
The elimination of the flow process will not only improve the assembling efficiency, but also reduce the board size, facility investment and personnel costs.

Only samples for D12.5X23L are available at present. In the next step, we are planning to develop other sizes and horizontal types.

《Product Appearance》



《Dimensions》



aluminum electrolytic capacitor

base plate

《Features》

1) Through hole reflow

Possible to solder radial-lead type aluminum electrolytic capacitors by reflow instead of flow.

2) Machine inserting

Can be placed automatically by mounters and robots.

3) 30G vibration resistance

30G vibration resistance made possible by using improved base plates for SMD type aluminum electrolytic capacitors.

The supporting electrode on the bottom of the base plate improves fixation, which can cut the gluing process after reflow.

4) Sound tuning service (Customized solution)

To contribute to the premium audio market, we have innovated a design that offers tuning in a higher sound quality.

Formed from the initial letters of the words “Durable” “Reflow” “Accurate” and “Sound,” “D.R.A.S. Technology” contributes to the sound quality and mounting efficiency of next-generation car audios.

《Sample Specifications》

Items		
Temperature range	[°C]	-40 to +105
Rated voltage	[Vdc]	25
Capacitance	[μF]	2,200
Rated ripple current	[mArms]	2,000 (105°C, 100kHz)
Size	[mm]	φ12.5×Max23L
Endurance		3,000 hours at 105°C

<Contact Information>

Nippon Chemi-Con Corporation

Sales Promotion Group II, Sales Promotion Department, Sales Headquarters

E-mail : atm@nippon.chemi-con.co.jp

5-6-4, Osaki, Shinagawa-ku, Tokyo 141-8605, Japan TEL:+81-3-5436-7717