



NIC COMPONENTS CORP.

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Technical Inquiries: tpmg@niccomp.com

COMPONENT CLEANING

PRODUCTS: ALUMINUM ELECTROLYTIC CAPACITORS

CLEANING AGENT	CLEANING CONDITIONS	MAXIMUM CLEANING TEMPERATURE
Pine Alpha ST-100S Clean Through 750H, 750L, 710M Sanelek B-12 Aqua Cleaner 210SEP Techno Care FRW 14~17 Isopropyl Alcohol DI Water Wash	Immersion, Ultrasonic, Vapor, Spraying Or Other Method Total Duration: Less Than 5 Minutes.	+60°C
CFC Substitutes: AK-255AES All Others **	Immersion, Ultrasonic, Vapor, Spraying Or Other Method Total Duration: - SMT Types: 2 Minutes Maximum - Leaded Ultra-miniature* Sizes: 2 Minutes Maximum - Leaded Standard Sizes: 5 Minutes Maximum	+40°C

* - NIC Ultra-miniature Series: NSR, NRE-S, NRE-SW, NSRW, NLE, NLE-S, NRE-SN, NRE-SX and NSRZ

** - Please review compatibility of other CFC substitute cleaning solvents with NIC. Contact NIC at tpmg@niccomp.com

NOTES:

1. The following solvents **cannot be used**.

Chlorinated Solvents (source: <http://www.hsia.org> & <http://www.eurochlor.org>)

- Methylene Chloride (Dichloromethane)
- Perchloroethylene
- Trichloroethylene
- 1,1,1-Trichloroethane (legislated phase-out of 1,1,1-trichloroethane as a suspected stratospheric ozone-depleting chemical occurred in many countries in 1995)

Bromide Based Solvents

- n-propyl bromide (alternative for traditional chlorinated solvents)
 - o Leksol™
 - o Solvon™
- 1-Bromopropane

2. **Chlorine free** flux, adhesives, sealants must be used.

3. Care should be taken when water washing under pressure, to minimize shrinking or swelling of the PVC insulation sleeve on leaded parts.

4. Please review cleaning method(s) of high voltage **NRE-H** and **NRE-HW** series parts with NIC.

Please review cleaning with all other solvents and conditions with NIC TPMG.

Contact: tpmg@niccomp.com