

NIC PRODUCT PROFILE

NAUJ series Ultra High Temperature +150°C
& Long Lifetime SMT Aluminum Electrolytic Capacitors



www.niccomp.com/catalog/nauj.pdf
www.niccomp.com/series/NAUJ

NATT, NATK, NATU, NATF → **NAUJ**

NIC Components is pleased to announce the addition of NAUJ series of ultra-high temperature +150°C rated automotive grade long lifetime capacitors to its expanded family of surface mount (SMT) aluminum electrolytic capacitors. NAUJ series meets **automotive grade AEC-Q200** test requirements and features wide operating temperature range of -40°C to +150°C, with 1000 hours load life rating at +150°C (*equivalent to 24,000 hours at +105°C and 96,000 hours at +85°C*).

+150°C rating is ideal for use as surface mount replacement for radial leaded (LDD) version capacitors, when used in long lifetime applications; such as **automobile systems**, and other high temperature industrial applications. Capacitance value range of the NAUJ series covers 100uF to 470uF in ±20% (M) tolerance, with voltage ratings of 25VDC and 35VDC in 10x10.8mm and 12.5x14mm (DØxH) case sizes. Wide terminal option ('W') is offered for use in high vibration applications, such as automotive power train, drive train and industrial controls.

Circuit applications for NAUJ series include use as input and output capacitors on DC-DC switchers, point of load regulators, load stepping, bulk storage. Additional uses in ripple noise filtering applications in enterprise level equipment; servers, routers, computing, renewable energy, and lighting displays. NAUJ series is RoHS compliant, and Pb-free SAC Alloy soldering compatibility at +245°C and +250°C reflow soldering temperatures. Unit pricing for NAUJ series ranges from \$0.23 to \$0.52 in production volumes. Contact NIC Components today for free samples and to review your circuit requirements

Co-sell with NIC Products:

- NPIM_A Automotive Grade Power Inductors
- NMC-A Automotive Grade MLCCs NPO / X7R
- NRCA & NTRA – Automotive Grade Resistors
- NCB_Y & NCB-H_Y - Automotive Grade, EMI suppression; SMT Ferrite Chip Beads

Circuit Applications:

- Input - Output capacitors
- DC-DC regulators
- Ripple (noise) Filtering
- Bulk Storage
- Load Stepping

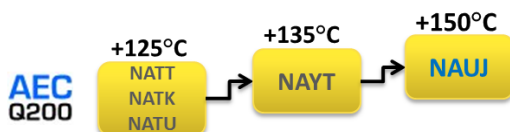
End Products

- Automotive
- Power train
- Drive train
- Power supplies
- Motor controllers
- Pumps & drives
- Enterprise networking
- Servers & Routers
- Embedded computing
- Signage & Lighting
- HVAC



FEATURES & ADVANTAGES:

- Automotive Grade AEC-Q200
- Wide operating range of -40°C ~ +150°C
- Longest lifetime SMT version
- Extended Lifetime (24,000 hrs @ +105°C & 96,000 hrs @ +85°C)



→ Cross the below competitor PNs

Competitor	Series
ELNA	RTQ___
Nichicon	UBC___
Vishay BCcomp	160 CLA (MAL2160...)

