

# NIC Components Corp.

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## PRESS RELEASE

March 2022 / Ref: NIC-PR-NAZR\_033022r1

### Product Category:

Passives; Capacitor; Aluminum Electrolytic; SMT; High CV; +105°C

## NAZR series

### High CV - Large Case Size SMT Aluminum Electrolytic Capacitors



NIC Components Corp. is pleased to announce the release of the NAZR series of surface mount aluminum electrolytic capacitors featuring extended 5000-hour load life ratings at +105°C (20,000 hours at +85°C). The NAZR series has an operating temperature range of -55°C to +105°C and is available in six case sizes in 12.5mm, 16mm, and 18mm diameters ( $\varnothing$ ) covering capacitance values from 47uF to 10,000uF in voltage ratings from 6.3VDC to 100VDC.

The NAZR series is a suggested alternate - replacement for the legacy NACKA series (NRND) and supports power applications requirements up to 100VDC including 5G infrastructure, higher voltage 57V IIoT, and -48VDC /-60VDC power for telecommunication and datacom (ICT) network equipment. The NAZR series supports optional wide terminals for high vibration applications and is packaged on tape and reel for automated pick and placement followed by reflow soldering to 245°C.

### Features:

- High capacitance values in voltage ratings up to 100VDC
- Long Life: 5000 hrs @ +105°C
- Low Z (0.028 $\Omega$ ) & High Ripple Current (2.64Arms) / 100Khz
- Automatic Mounting, and Reflow Soldering
- Power Applications: DC-DC and AC-DC
- Available With Wide Anti-Vibration Terminations

### Applications:

- Cellular – Network Infrastructure
- Enterprise-Level
- Power Circuits
- Power Control
- Point of Load Regulators



Product Specification: <https://www.niccomp.com/products/catalog/nazr.pdf>

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