

NIC PRODUCT PROFILE

NMC-A series

Automotive Grade MLCC Ceramic Chip Capacitors



www.niccomp.com/catalog/nmca.pdf
www.niccomp.com/series/NMC-A

AEC-Q200 qualified components from **TS-16949** certified production site; “**QYF**” part number suffix EIA Case sizes; 0402, 0603, 0805, 1206 & 1210 produced and tested on MLCC production lines dedicated to automotive component manufacturing. Quality initiatives include tightened process controls (casting, printing, and dicing) for improved margin control, and higher level test and inspection, to assure high quality components for automotive applications. **Ultra-stable NPO** and high capacitance **X7R** temperature coefficients (TCCs) meets **AEC-Q200 Grade ‘1’ requirements**. Extended voltage ratings, from **10VDC to 630VDC**, are ideally suited for use in higher voltage applications, such as ballasts for HID lighting. Supplied packaged on carrier tape for automated pick and placement, and compatible with both legacy and Pb-Free soldering processes. NMC-A series is RoHS compliant with unit pricing ranging from \$0.02 to \$0.09 each.

➔ Contact NIC today to review your requirements, and request free samples for design and evaluation purposes.

FEATURES

- Automotive Grade Components, AEC-Q200 Qualified
- TS-16949 Certified Production Site
- Ultra-Stable NPO and High Capacitance X7R TCCs
- Voltage ratings 10V, 16V, 25V, 50V, 100V, 200V, 250V, 500V & 630V
- Temperature Range -55°C ~ +125°C (AEC-Q200 grade ‘1’)
- Standard 0402, 0603, 0805, 1206 and 1210 case sizes

End Products:

- Automotive
- Transportation
- Heavy Equipment
- Enterprise Systems
- Industrial
- Test & Instrumentation



Co-sell with NIC Auto Grade Products:

- NPIM_P** – SMT Power Inductors
Metal Composite High Current Loss
- NRC-A & NTR- A** – Thick & Thin Film
Automotive grade Chip Resistors
- NAZT & NSPE-T** – Low Cost Low ESR
and Hybrid +125°C rated Alum Ecaps

See all Auto Grade Products: www.niccomp.com/auto

Automotive Electronics Applications:

- Cruise control*
- Display & dash board electronics*
- Entertainment*
- Heating and AC controls*
- HID Lighting ballast*
- In-vehicle Infotainment systems (IVI)*
- Navigation - GPS - Compass*
- Power windows and door locks*
- Proximity sensors*
- Remote keyless entry systems (RKE)*
- Seating controls*
- Telematics*
- Wireless communications*

➔ Cross the below competitor PN's

Competitor	Series PN's (construction)
AVX	xxxxxCxxxx4xxA (4 = Auto)
EPCOS - TDK	CGAxxx_ B, C, D, E, M,
KEMET	CxxxxC/F/S/X/Yxxxxx AUTO
MURATA	GCM, GCJ, GCG, GC3
TAIYO YUDEN	EMR, HMK, LMR, TMR, UMR

