

NIC PRODUCT PROFILE

NRLLW series

10,000 hour @ +105C Reduced Case Size Snap-In Aluminum Electrolytic Capacitors



www.niccomp.com/catalog/nrllw.pdf
www.niccomp.com/series/NRLLW

NIC Components is pleased to announce the addition of NRLLW series of extended lifetime and lower profile high voltage rated snap-in type aluminum electrolytic capacitors to its expanded capacitor products offering. The NRLLW series features load life rating of 10,000 hours at +105°C (*life test equivalent to 40,000 hours at +85°C and 160,000 hours @ +65°C*) making it ideally suited for use in high voltage - long life power supplies, industrial equipment, lighting ballast, inverters, smart metering and green power applications.

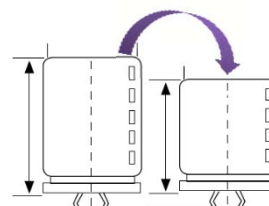
The NRLLW series is supported in capacitance values from 120uF to 560uF, with voltage ratings of 400VDC, 420VDC and 450VDC, with operating temperature range of -25°C to +105°C. NRLLW series has advantage in increased ripple current ratings, typically higher than competitors, covering requirements up to 3.43Arms (+105°C/ 10K-50KHz).

Another advantage of NRLLW series is support in reduced component case sizes, with diameters of 20mm to 35mm and component heights from 25mm to 50mm (*i.e. typically 5mm to 15mm lower profile than most competitors' products*). NRLLW series is RoHS compliant and compatible with Pb-free soldering.

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

NRLLW FEATURES

- **10,000 hour load life @ +105°C**
 - life test equivalent to **40,000 hours at +85°C**
 - life test equivalent to **160,000 hours at +65°C**
- **Lower Profile** (*than competitors*)
- **Higher Ripple Current** (*than competitors*)



Downside Height
30x50 → 30x35

Co-sell with NIC Products:



NPIM_P – SMT Shielded Power Inductors
Metal Composite; High Current - Low Loss



NPX/NPXH/NPXF/NPYT – X1, X2, Y2
Classes Safety Capacitors / Metallized
Polypropylene Interference – EMI Suppression

Applications & End Products:

- Smoothing
- Filtering
- Energy storage
- Load buffering
- High voltage power supplies
- High reliability & long life applications
- Green power inverters
- Smart metering
- Industrial & white goods inverters

➔ Cross the below competitor PNs

Competitor	Series
Nippon Chemi-Con UCC - United Chemi-Con	TXH
Nichicon	LGR
Hitachi	XL1
Vishay BC Components	MAL2___ 058/059 PLL-SI



Cross & Replacement Support ... tpmg@niccomp.com