

May 31, 2023

Subject: End of Life Notification (EOL)
Product Type: Radial Leaded (LLD) Aluminum Electrolytic Capacitors
Series: NLE

PCN Scope:

1. All NLE part numbers are being discontinued
2. See linked Excel spreadsheet for a full list of affected NLE Part Numbers: [Click Here](#)

Effective Date: May 31, 2023

Last Order Date: December 31, 2023

Last Ship Date: March 31, 2024

Reason for discontinuation: Low demand

The following is a list of NLE part numbers being discontinued. This discontinuation includes all packaging types and lead configurations.

Discontinued Part Number	Capacitance (uF)	Voltage (VDC)	Size (mm)	Possible Alternative	Comments
NLE101M6.3V6.3x7_F	100	6.3	6.3x7	NRE-SW101M6.3V6.3x7_F	Higher LC
NLE470M10V6.3x7_F	47	10	6.3x7	NRE-SW470M10V6.3x7_F	Higher LC
NLE101M10V6.3x7_F	100	10	6.3x7	NRE-SW101M10V6.3x7_F	Higher LC
NLE330M16V6.3x7_F	33	16	6.3x7	NRE-SW330M16V6.3x7_F	Higher LC
NLE470M16V6.3x7_F	47	16	6.3x7	NRE-SW470M16V6.3x7_F	Higher LC
NLE101M16V6.3x7_F	100	16	6.3x7	NRE-SW101M16V6.3x7_F	Higher LC
NLE220M25V6.3x7_F	22	25	6.3x7	NRE-SW220M25V6.3x7_F	Higher LC
NLE330M25V6.3x7_F	33	25	6.3x7	NRE-SW330M25V6.3x7_F	Higher LC
NLE220M35V6.3x7_F	22	35	6.3x7	NRE-SW220M35V6.3x7_F	Higher LC
NLE100M50V6.3x7_F	10	50	6.3x7	NRE-SW100M50V6.3x7_F	Higher LC

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NLE Series

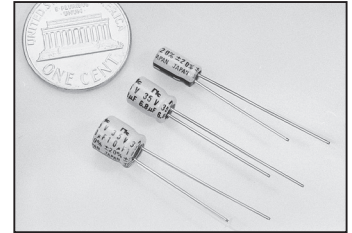
Low Leakage Radial Leaded Aluminum Electrolytic Capacitors



SUBMINIATURE, LOW-LEAKAGE CURRENT, RADIAL LEAD, POLARIZED

FEATURES

- LOW PROFILE, 7mm HEIGHT
- LOW LEAKAGE CURRENT & LOW NOISE
- LOW COST REPLACEMENT FOR MANY TANTALUM APPLICATIONS



CHARACTERISTICS

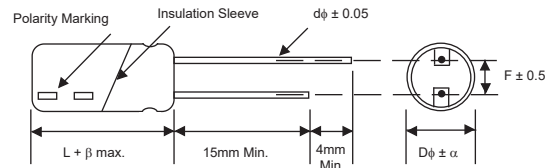
Rated Voltage Range	6.3 ~ 50Vdc						
Capacitance Range	10 ~ 100 μ F						
Operating Temperature Range	-40 ~ +85°C						
Capacitance Tolerance	\pm 20%(M), \pm 10% (K)						
Max. Leakage Current After 2 minutes At +20°C	0.002CV or 0.4 μ A, whichever is greater						
Surge Voltage & Max. Tan δ @ 120Hz/+20°C	W.V. (Vdc)	6.3	10	16	25	35	50
	S.V. (Vdc)	8	13	20	32	44	63
	Tan δ	0.20	0.18	0.16	0.14	0.12	0.10
Low Temperature Stability (Impedance Ratio @ 120Hz)	Z-25°C/Z+20°C	4	3	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	4	3	3
Load Life Test at Rated W.V. & +85°C 1,000 Hours	Capacitance Change	Within \pm 20% of initial measured value					
	Tan δ	Less than 200% of specified maximum value					
	Leakage Current	Less than specified maximum value					

STANDARD PRODUCT AND CASE SIZE TABLE D ϕ x L (mm)

Cap. (μ F)	Code	Working Voltage (Vdc)					
		6.3	10	16	25	35	50
10	100	-	-	-	-	-	6.3x7
22	220	-	-	-	6.3x7	6.3x7	-
33	330	-	-	6.3x7	6.3x7	-	-
47	470	-	6.3x7	6.3x7	-	-	-
100	101	6.3x7	6.3x7	6.3x7	-	-	-

LEAD SPACING AND DIAMETER (mm)

Case Dia. (D ϕ)	6.3
Lead Dia. (d ϕ)	0.5
Lead Spacing (F)	2.5
Dim. α	0.5
Dim. β	1.0



PRECAUTIONS

Please review the notes on correct use, safety and precautions found at <https://www.niccomp.com/resource/files/aluminum/AlumApplInfoCautions.pdf>
If in doubt or uncertainty, please review your specific application - process details with NIC's technical support personnel: tpmg@niccomp.com

NLE Series

Low Leakage Radial Leaded Aluminum Electrolytic Capacitors



STANDARD PRODUCT, SPECIFICATIONS AND CASE SIZES D ϕ x L (mm)

Part Number	Cap. (μ F)	W.V. (Vdc)	Dissipation Factor +20°C/120Hz	Ripple Current Rating (mA) +85°C/120Hz	Max. ESR (Ω) +20°C/120Hz	Load Life Hours @ +85°C
NLE101M6.3V6.3x7F	100	6.3	0.20	77	3.98	1,000
NLE470M10V6.3x7F	47	10	0.18	59	7.06	1,000
NLE101M10V6.3x7F	100		0.18	82	3.32	1,000
NLE330M16V6.3x7F	33	16	0.16	57	8.05	1,000
NLE470M16V6.3x7F	47		0.16	68	5.65	1,000
NLE101M16V6.3x7F	100		0.16	95	2.26	1,000
NLE220M25V6.3x7F	22	25	0.14	51	10.6	1,000
NLE330M25V6.3x7F	33		0.14	63	7.04	1,000
NLE220M35V6.3x7F	22	35	0.12	57	9.05	1,000
NLE100M50V6.3x7F	10	50	0.10	44	16.6	1,000

PART NUMBER SYSTEM

