

NIC Components [LDD] Leaded Aluminum Electrolytic Capacitors

Select your LDD Aluminum Electrolytic Capacitor from NIC's Offering of **60+ Series** in Liquid Electrolytic Technology including:

- ➔ Radial Leaded Constructions
- ➔ Snap-In Terminal Constructions
- ➔ Screw Terminal Constructions



Endurance Performance (hours) vs. Operating Temperatures:

Temp	Lifetime Rating at Max Temperature				
+150°C	-	-	-	-	1,000
+130°C	-	-	-	4,000	4,000
+125°C	-	-	-	5,600	5,657
+115°C	-	-	-	11,300	11,314
+105°C	-	5,000	10,000	22,600	22,627
+95°C	-	10,000	20,000	45,200	45,255
+85°C	2,000	20,000	40,000	90,500	90,510
+75°C	4,000	40,000	80,000	> 15yrs	>15 year
+65°C	8,000	80,000	160,000	> 15yrs	>15 year
[1 Year = 8,760 Hours]					

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- ◇ Compare up to 5 results Side-By-Side
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- ◇ Lifecycle, Upgrades, and Application Focus
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Series controlled to IATF-16949 certified lines and AECQ-200 Qualified

Radial Leaded Products

Series	Type	Description	Capacitance Range	Voltage Range	Max RCR (Up to)	Load Life (Up to)
NRSS	General Purpose 85°C Temperature Rating	Standard Performance	2.2uF ~ 15,000uF	6.3 ~ 100V	2,700mA	2,000Hrs
NNR		Bi-Polar	1.0uF ~ 1,000uF	10 ~ 100V	740mA	2,000Hrs
NRE-H		High Voltage	0.47uF ~ 330uF	160 ~ 450V	800mA	2,000Hrs
NRWS	General Purpose Wide Temperature 105°C Temperature Rating	Standard Performance	2.2uF ~ 15,000uF	6.3 ~ 63V	2,400mA	2,000Hrs
NRB-TE		125°C Temperature Rating	8.2uF to 150µF	400 ~ 500VDC	2.239mA	5,000Hrs
NRB-XL		Lighting Ballast Applications Longest Life	1.0uF ~ 68uF	160 ~ 450V	520mA	20,000Hrs
NRB-XS			1.0uF ~ 220uF	160 ~ 500V	2,370mA	12,000Hrs
NRB-XZ			10uF ~ 820uF	160 ~ 450V	4,460mA	12,000Hrs
NRE-WY	Extended Temperature Rating	130°C Temperature Rated	1.0uF ~ 4,700uF	10 ~ 400V	2,800mA	4,000Hrs
NRE-WX		150°C Temperature Rated	47uF ~ 1,000uF	10 ~ 63V	750mA	1,000Hrs
NRSZ	Low ESR & Z 105°C Temperature Rating	Long Life	4.7uF ~ 12,000uF	6.3 ~ 63V	2,800mA	10,000Hrs
NRSG		Expanded Range	5.6uF ~ 6,800uF	6.3 ~ 100V	3,460mA	5,000Hrs
NRZJ	Higher Performance Lower ESR & Z Longer Life Ratings 105°C Temperature Rating	Long Life	8.2uF ~ 8,200uF	6.3 ~ 100V	4,120mA	10,000Hrs
NRSH			8.2uF ~ 8,200uF	6.3 ~ 100V	3,670mA	10,000Hrs
NRE-HL		Expanded Range Long Life	6.8uF ~ 18,000uF	6.3 ~ 100V	4,280mA	10,000Hrs
NRE-JL			1.0uF ~ 15,000uF	6.3 ~ 100V	4,280mA	10,000Hrs
NSPRS	Hybrid Electrolyte Lower ESR - Higher RCR Extended Temperatures	Standard Performance	47uF ~ 1,000uF	6.3 ~ 16V	3,890mA	5,000Hrs
NSPRH		High Voltage, Long Life	10uF ~ 560uF	16 ~ 100V	3,000mA	10,000Hrs
NSPRT		125°C Temperature Rating	10uF ~ 560uF	16 ~ 100V	2,320mA	3,000Hrs
NSPRY		135°C Temperature Rating	10uF ~ 330uF	25 ~ 63V	1,390mA	2,000Hrs

Snap-In Products

Series	Type	Description	Capacitance Range	Voltage Range	Max RCR (Up to)	Load Life (Up to)
NRLC(W)	Screw Terminal & Snap-In General 85°C Temperature (W) 105°C Temperature Rated	Commercial Grade	56uF ~ 2,200uF	160 ~ 450V	5.736A	3,000Hrs
NRLF(W)		Low Profile	33uF ~ 15,000uF	16 ~ 450V	3.68A	2,000Hrs
NRLM(W)		Standard Performance	56uF ~ 68,000uF	10 ~ 450V	10.41A	2,000Hrs
NRLRT		Long Life	68uF to 820uF	400 ~ 450V		2,000Hrs
NRLR(W)			47uF ~ 82,000uF	10 ~ 450V	10.51A	3,000Hrs
NRLLLW			120uF ~ 560uF	400 ~ 450V	3.43A	10,000Hrs
NRLUW			56uF ~ 2,700uF	200 ~ 500V	5.23A	5,000Hrs
NRLQW		High Voltage	56uF ~ 1,200uF	400 ~ 550V	4.13A	2,000Hrs
NRLPW			39uF ~ 68,000uF	10 ~ 500V	7.36A	3,000Hrs

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NIC Components [LDD] Leaded Aluminum Electrolytic Cross Guide

Radial Leaded Series										
General Purpose, Low ESR & Impedance, High Voltage Ballast Series										
NIC Series	BC	Elna	Epcos	Illinois	Jamicon	Lelon	Nichicon	Panasonic	Rubycon	UCC
NRSS	038 RSU	RE3	B41821	CKS	SM	***	LVR	M	YK	SMG
NNR	***	RBP2	B42822	BPS	NK	FN	LVP	SU(N)	NA	SMEBP
NRE-H	044 RSH	RE2 RE3	B43821 B43835	***	***	***	***	***	***	***
NRE-LX	***	***	***	***	***	***	URZ	***	WXA	***
NRWA	047, RMS 048, RML	RJ3	B42822 B42823	RMR CKH	TK	RGA RLA	UPR UVZ	MH NHG	YXA	KMG(VB)
NRWS	148 RUS	RJ4	B41851	***	TM	RGA RLA	UVZ	MH NHG	YXA	KMG(VB)
NRWP	***	***	***	***	***	***	UVZ	***	***	KMG
NRESW	***	RC2S	***	PGM	SH	SG	UST	KG	MH7	KRG KMA
NREHS	***	***	***	***	***	***	URX	***	***	KMG
NRE-WX	***	***	***	***	***	***	UBX	***	***	***
NR5Z	135 RJ	RSH, RSE RSG	B41857	RZM LSR	WG	RKJ RKK	UPJ, UPY UPL, UPF	GA, FB HFG, HFG	YXF GXF	LXF, LXV KMF, LXJ SXE
NR5Y	150 RMI	***	***	***	WL	RXA	***	***	JXB	***
NRSZC	***	***	***	***	***	***	UPW	***	***	LXG LXY
NRESX	***	***	***	***	SL	RVH	UMF USF	***	***	LXF, SXE SXG
NR5G	150 RMI	RJB	***	***	***	***	UHD	EECFA	ZL	***
NRZJ	136 RVI	RJL	B41888	KBM	TB	RZW	HY HD	FC FK	ZLJ ZLH	KZM KZH KZG
NREHL	***	***	***	***	***	***	PT, PV PM	***	YXH	SXE EKY
NRE-JL	RM	RJF RJL	B41890	KBM	***	RZW	UHE	FR EUJFR	YXJ	KY KZG KZJ
NRE-FL	***	***	***	***	***	***	PS, PV PF	***	YXF	KMF KMY
NREHW	151, RLH 152, RMH	***	***	***	***	***	***	***	BXA	***
NRBXS	***	***	***	TXK	***	***	UCA	***	BXC	KXG

NIC Series					Snap-In and Screw Terminals				
BC	Elna	Epcos	Jamicon	Leion	Nichicon	Panasonic	Rubycon	UCC	
NRL*	157 PUMSI	LP3 LP4 LP5	B41303, B43303 B43501	LP	LS	LPW LPX	TS-UP TS-U	USP USR	SMH 82DA
NRL*W	159 PUL-SI	LPE, LPH LP6, LP3J	B41505, B43504 B43505	HP	LSG	LSG LSU	TS-NH TS-HA	MXC MXR	KMH, KMFR 81DA
NSTL	086, PS-ST, 087 PS-ST, 012, RC-ST	***	B41456, B43455 B43456, B43566	KP	***	LNR LNK	EEGAA	LSQ	U36D
NSTLW	088, PHC-ST 089, PHC-ST	***	B41550, B43560 B43570, B43650	RP	***	LNT LNZ	EEGBA	LSW	U32D

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