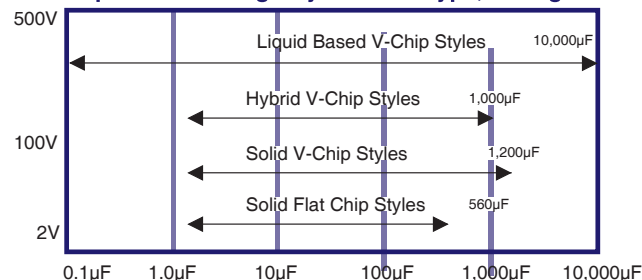


NIC Components [SMT] Surface Mount Aluminum Electrolytic Capacitors

Select your SMT Aluminum Electrolytic Capacitor from NIC's Offering of 40+ Series in Liquid, Solid, and Hybrid Technologies.



Capacitance Range By Product Type, Voltage



Endurance Performance (hours) vs. Operating Temperatures:

Temp	NACE	NACV	NAZT	NATT	NAZV	NSPE-Y	NSPE-J
+150°C	-	-	-	-	-	-	1,000
+135°C	-	-	-	-	-	2,000	2,828
+125°C	-	-	-	2,000	-	4,000	5,657
+115°C	-	-	-	-	-	8,000	11,314
+105°C	-	2,000	5,000	8,000	10,000	16,000	22,627
+95°C	-	4,000	10,000	16,000	20,000	32,000	452,55
+85°C	2,000	8,000	20,000	32,000	40,000	64,000	90,510
+75°C	4,000	16,000	40,000	64,000	80,000	128,000	>15 year
+65°C	8,000	32,000	80,000	128,000	> 15yrs	> 15yrs	>15 year

(1 Year = 8,760 Hours)

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General Purpose, Extended Temp, & High Voltage

Series	Type	Description	Capacitance Range	Voltage Range	Max RCR (Up to)	Load Life (Up to)
● NACE	General Purpose 85°C Temperature Rating	Standard Performance	1.0uF ~ 6,800uF	4 ~ 100V	1,330mA	2,000Hrs
● NACEW	General Purpose Wide Temperature 105°C Temperature Rating	Standard Performance	1.0uF ~ 6,800uF	6.3 ~ 100V	930mA	2,000Hrs
● NAWT		Higher Reflow Rating	22uF ~ 1,000uF	6.3 ~ 50V	490mA	2,000Hrs
● NAWS		Low Profile, Higher Reflow	1.0uF ~ 100uF	6.3 ~ 50V	52mA	1,000Hrs
● NAWP		Reduced Size	4.7uF ~ 220uF	6.3 ~ 50V	74mA	1,000Hrs
● NACV	General Purpose High Voltage, Long Life 105°C Temperature Rating	Standard Performance	2.2uF ~ 82uF	160 ~ 400V	235mA	2,000Hrs
● NACVF		Long Life, Large Can	2.2uF ~ 100uF	160 ~ 450V	1,060mA	5,000Hrs
● NAWU		Long Life	1.0uF ~ 220uF	6.3 ~ 400V	235mA	5,000Hrs
● NATT	125°C Temperature Rating	Standard Performance	1.0uF ~ 4,700uF	6.3 ~ 100V	900mA	2,000Hrs
● NATU		Long Life	100uF ~ 330uF	25 ~ 35V	235mA	4,000Hrs
● NAYT	135°C Temperature Rating	Extended Temperature	22uF ~ 1,000uF	16 ~ 50V	750mA	2,000Hrs
● NAUJ	150°C Temperature Rating	Ultra High Temperature	100uF ~ 470uF	25 & 35V	700mA	1,000Hrs

LowESR Series

Series	Type	Description	Capacitance Range	Voltage Range	Max RCR (Up to)	Load Life (Up to)
● NACZ	Low ESR & Z 105°C Temperature Rating	Standard Performance	4.7uF ~ 6,800uF	6.3 ~ 50V	1,250mA	2,000Hrs
● NAZH		Extended CV Range	10uF ~ 2,200uF	6.3 ~ 50V	1,190mA	2,000Hrs
● NAZU		Extended Life	10uF ~ 330uF	6.3 ~ 50V	230mA	3,000Hrs
● NACK(A)	Higher Performance - Lower ESR & Z Longer Life Ratings 105°C Temperature Rating	Wide CV Range	3.3uF ~ 6,800uF	6.3 ~ 100V	2,060mA	5,000Hrs
● NAZK		Higher Reflow Rating	4.7uF ~ 1,000uF	6.3 ~ 35V	850mA	2,000Hrs
● NAZT		Higher Reflow Rating	4.7uF ~ 10,000uF	6.3 ~ 100V	2,060mA	5,000Hrs
● NAZJ		Ultra Low ESR & Z	10uF ~ 1,800uF	6.3 ~ 35V	1,190mA	2,000Hrs
● NAZV		Longest Life Rating	10uF ~ 1,000uF	6.3 ~ 50V	850mA	10,000Hrs
● NATK	125°C Temperature Rating	Standard Performance	100uF ~ 2,200uF	16 ~ 35V	1,800mA	3,000Hrs
● NSPES	Hybrid Electrolyte V-Chip Lower ESR - Higher RCR Extended Temperatures	Standard Performance	10uF ~ 1,000uF	6.3 ~ 16V	3,890mA	5,000Hrs
● NSPE-H		High Voltage, Long Life	2.7uF ~ 330uF	25 ~ 125V	2,900mA	10,000Hrs
● NSPE-HF			10uF ~ 470uF	25 ~ 80V	2,800mA	5,000Hrs
● NSPE-HZ			18uF ~ 560uF	16 ~ 40V	4,340mA	5,000Hrs
● NSPE-TF		125°C Temperature Rating	100uF ~ 470uF	25 ~ 100V	2,300mA	4,000Hrs
● NSPE-TJ			150uF ~ 470uF	25 ~ 35V	3,800mA	4,000Hrs
● NSPE-TZ			18uF ~ 560uF	16 ~ 40V	3,030mA	3,000Hrs
● NSPE-Y			135°C Temperature Rating	10uF ~ 330uF	25 ~ 63V	1,390mA
● NSPE-J		150°C Temperature Rating	33uF ~ 330uF	25 ~ 63V	970mA	1,000Hrs
● NSP		Solid Polymer Electrolyte Ultra Low ESR Highest RCR	Standard Flat Chip	2.2uF ~ 560uF	2 ~ 16V	10,200mA
● NSPX	High Voltage		10uF ~ 100uF	10 ~ 35V	3,200mA	2,000Hrs
● NSPL	3-Terminal Low ESL		68uF ~ 560uF	2 ~ 6.3V	10,200mA	2,000Hrs
● NSPVM	V-Chip, High CV		10uF ~ 1,200uF	2.5 ~ 35V	4,450mA	2,000Hrs

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Automotive
WT Wide Terminations Available

General Purpose, Wide/Extended Temp, High Voltage											
NIC Series	Elna	Illinois	Lelon	Nichicon	Panasonic	Rubycon	Sanyo	UCC	Vishay BC		
NAAC	***	***	***	UUA LUV	HC	SJV	***	MVL	***		
NACE	RV, RV2 RV3	SML	RV	UUR, UWX LUG	VA VS	REV SEV	CE-C CE-B5	MV	***		
NACEN	RVB	NPS	RVB	UWP	VSN	NEV	CV/NP	NVBP	***		
NACEW	RVL, RVJ RVS	SMH	RVS	UVV, UWT UUT, UUX	VG, VV HA, HB	RGV RKY	***	MVK MVJ	***		
NACNW	***	NCN	***	UUP	HB	SKV	CE-FN	MK-BP	***		
NACP	RV4	***	***	UZS	MC	SSV	CE-BD	MVS	***		
NAOS	***	***	RV3	***	***	***	CE-BBS	MVA	***		
NACV NACVF	***	***	***	UUG LUU	EB	***	CE-FS	MVH, MHA MHB	***		
NASE	SML	***	***	UWU UWS	EEE_A	JEV	***	ENV EMVA	***		
NAWP	***	***	***	***	EEHHA	***	***	***	***		
NAWT	AXZ	***	***	UWD	EEV-FC	***	***	***	***		
NAWU	***	***	***	***	EEVHD	SLV	***	EMMH EMVJ	***		
NA1T	UCA	***	***	***	***	***	CE-PC	***	***		
NA1T	UCA	***	***	***	***	***	***	***	***		
NA1T	RVX	***	***	UCX	***	***	***	***	146 CT1 MAL2146		
NA1U	RTQ	***	***	UBC	***	***	***	***	160 CLA MAL2160		

Low ESR - Low Impedance											
NIC Series	Elna	Illinois	Lelon	Nichicon	Panasonic	Rubycon	Sanyo	UCC			
NACK	RVZ	***	***	UUA	FK	TZV	***	EMVA			
NACX	RNH	GAZ	***	UWF	FC	RZV	CV-GX	***			
NACY	***	***	***	UWG	***	***	***	***			
NACZ NACZF	RNH RVJ	AXZ	***	UWF, UUD LUG, LUJ	FC	SGV	CV-GX	EMVA			
NAZU	***	***	***	UUA	***	***	CE-LS	***			
*NAZJ	***	***	***	***	FP	***	***	***			
NAZT	AXZ	***	***	***	EEE-FK	REV	CE-LX	***			
*NAZV	***	***	***	CW	***	***	***	MZE			

Solid & Hybrid Types											
NIC Series	Kemet	Murata	NEC	Nichicon	Panasonic	Sanyo	United Chemicon				
*NSP-X	A700	EGAS	PSL	***	EEFOD, EEFFD EEFLD, EEFLIE	Poscap	***				
*NSP-X Series	***	***	***	CF, CJ, CG	ZC	OS-CON SVP, SVQ	PXS, PXF, PXE, PXA, PXH				
NSPVM											

* NIC Series that are new or have upgraded and/or expanded specifications. For more information please contact NIC or visit www.niccomp.com

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