


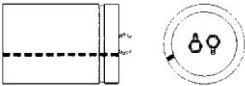
Aluminum Electrolytic Capacitor Selector Guide

Type	Max Cap (µF)	Volts (Vdc)	Max Temp (°C)	Load Life (h)	Case Size (Inches)	Case Size (mm)	Application	Best Bus Caps	Highlights	Page
Computer Grade, Screw Terminal										
										
CG	160,000	10 to 450	85 °C	2000	1.375x2.125 to 3.00x5.625	35x41 to 76x143	Computer Grade, Long Life, High Reliability		Screw Terminals Reliable at 85 °C	2.173
CGO	45,000	5 to 55	85 °C	1000	1.375x2.125 to 1.375x5.625	35x41 to 35x143	Output Filter for SMPS Applications		Symmetrically Controlled ESR	2.173
CGR	100,000	7.5 to 200	105 °C	2000	1.375x2.125 to 3.00x5.625	35x41 to 35x143	Output Filter for SMPS Applications		High Ripple Low ESR, 105 °C	2.173
CGS	1,500,000	6.3 to 500	85 °C	1000	1.375x1.625 to 3.50x8.625	35x41 to 89x220	High Current Filtering Energy Storage		High CV Product Computer Grade	2.173
DCMC	2,700,000	6.3 to 550	85 °C	2000*	1.38x1.63 to 3.5x8.63	35x41 to 89x220	UPS, Power Supply input/output	●	Highest µF, ThermalPak™	2.004
HES	5,600	350 to 450	105 °C	1000	1.375x2.125 to 3.00x5.625	35x41 to 35x143	Welders, Photoflash Strobe Lights, Magnetizers		105 °C High Reliability	2.173
101C	1,500,000	7.5 to 250	105 °C	5,000*	1.38x1.63 to 3x8.63	35x41 to 76x220	Wide Temp, Power Supply, Supply, input/output		-55 °C, Low ESR ThermalPak™	2.053
125	190,000	5 to 40	125 °C	2000	1.38x1.63 to 1.38x5.63	35x41 to 35x143	Ultra-High Temp, Power Supply Output		Hi Temperature ThermalPak™	2.173
3148	1,000,000	16 to 75	105 °C	2000	1.38x2.125 to 3.00x8.63	35x54 to 76x220	Audio Power Supplies		High Current Screw Terminals	2.173
3186	1,000,000	16 to 500	85 °C	2000	1.375x2.125 to 3.00x8.625	35x54 to 76x220	Shock Resistant Military or Transportation	●	High Ripple Current Rilled Contraction	2.173
3188	1,000,000	16 to 450	85 °C	4000	1.375x2.125 to 3.00x8.625	35x54 to 76x220	Long Life Military or Transportation		Rilled Contraction High Repple Current	2.173
3191	170,000	7.5 to 55	85 °C	1500	1.375x2.125 to 2.00x5.625	35x54 to 51x143	Output Filter Capacitor Power Supplies		Symmetrical ESR	2.173
3198	1,200,000	6.5 to 75	105 °C	5000	1.375x2.125 to 3.00x8.625	35x54 to 76x220	Audio Power Supplies		Long Life Low ESR	2.173
3199	1,200,000	7.5 to 75	85 °C	5000	1.375x2.125 to 3.00x8.625	35x54 to 76x220	Audio Power Supplies		Very Long Life Low ESR	2.173
500C	2,600,000	6.3 to 550	95 °C	5000*	1.38x1.63 to 3.5x8.63	35x41 to 89x220	UPS, Power Supply Long Life, input/output	■	Long Life, ThermalPak™	2.173
520C	39,000	200 to 500	85 °C	8000*	1.38x1.63 to 3.5x8.63	35x41 to 89x220	Inverters, High Ripple, Long Life	■	Inverter-Grade ThermalPak™	2.173
550C	35,000	200 to 450	105 °C	10,000*	1.38x1.63 to 3.5x8.63	35x41 to 89x220	Inverters, Higher Ripple, Longer Life	■	Inverter-Grade ThermalPak™	2.173
Snap-In										
										
380LQ	3,900	160 to 450	85 °C	2000	0.87x0.98 to 1.38x1.97 to	22x25 to 35x50	Compact High Cap. General Purpose		27% Smaller tha 380LX	2.173
380L/LX	100,000	16 to 500	85 °C	3000	0.79x0.98 to 1.58x3.15	22x25 to 40x80	High Capacitance General Purpose		Widest Selection 45 case sizes	2.173
381LQ	46,000	160 to 480	105 °C	2000	0.87x0.98 to 1.38x1.97	22x25 to 35x50	Compact High-Ripple, High Temperature	■	24% Smaller than 381LX	2.173
381L/LX	120,000	10 to 450	105 °C	3000	0.79x0.98 to 1.38x3.13	22x25 to 40x80	High-Ripple, High Temperature	■	4 x Life of 380L/LX	2.173
381LR	2,200	200 to 450	105 °C	3000	0.87x0.98 to 1.38x1.97	22x25 to 35x50	Ultra-high Ripple Current	■	25% Higher Ripple than 382L/LX	2.173
381EL	2,200	160 - 400	105 °C	7000	0.87x0.98 to 1.38x1.97	22x25 to 35x50	Ultra-long Life	■	10 x Life of 380L/LX	2.173

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Snap-In										
382L/LX	120,000	16 tp 450	85 °C	3000	1.38x0.98 to 1.58x3.15	35x25 to 40x80	4 ro 5 terminals, General Purpose		High μF, Rugged Reverseproof	2.174
383L/LX	150,000	10 to 450	105 °C	3000	1.38x0.98 to 1.58x3.15	35x25 to 40x80	4 or 5 Terminals, High Ripple, High Temp.	•	Hi Ripple, Rugged Reverseproof	2.174
3410	16,000	100 to 450	85 °C	3000	1.38x1.97 to 1.38x4.13	35x50 to 50x105	High Current		Multi-pin Keyed Polarity, Long Life	2.173
LP	47,000	16 - 250	105 °C	1000	0.87x0.98 to 1.38x1.97	22x25 to 35x50	Stable ESR High Reliability		Good for Switch Mode Power Supplies	2.173
LPW	22,000	10 - 100	85 °C	1000	0.87x0.98 to 1.181x1.772	22x25 to 30x45	Low Voltage		General Purpose Input Filter Appl.	2.173
LPX	2,700	160 - 450	85 °C	1000	0.87x0.98 to 1.38x1.97	22x25 to 35x50	High Voltage		General Purpose Input Filter Appl.	2.173
Radial Leaded										
										
MLP	47,000	6.3 to 450	85 °C	2000	1.5x1.75x0.5 to 3x1.75x.5	38x44x13 to 51x44x13	Flatpack, Ultra-Long Life	•	High ripple, Heatsinkable	2.105
MLS	47,000	5.0 to 250	125 °C	2000	1.5x1.75x0.5 to 3x1.75x.5	38x44x13 to 51x44x13	Flatpack, Ultra-Long Life	•	High ripple, Heatsinkable	2.109
300/301	33,000	6.3 to 250	105 °C	4000	0.5x0.78 to 1.0x3.63	12.5x20 to 25x92	Long Life, Switching Power Grade		Low ESR, Welded Leads, Low Z @ 100	2.113
325/326	46,000	6.3 to 63	125 °C	4000	0.77x1.15 to 1x3.66	19.5x93 to	Automotive		High Ripple	2.129
330	33,000	6.3 to 250	105 °C	10000	.765x3.65 to 1.015x3.65	19.4x92.7 to 25.8x92.7	50,000 hr expected life @ 65 °C		Ultra Low ESR to 16 A Ripple Current	2.124
350	11,000	6.3 to 100	105 °C	4000	.75x.125 to 1.0x2.625	25x93 to 25.4x66.68	Solid Aluminum Top Operates Beyond 200 kHz		Low ESL	2.173
361R	18,000	6.3 to 450	105 °C	1000	0.5x0.78 to .87x1.6	12.5x20 to 22x40	Miniature Industrial Grade		High Value	2.133
4CMC	560,000	16 to 500	85 °C	2000*	1.375x1.75 to 2x5.75	35x44 to 51x146	Computer Grade		High Capacitance 3 Leads	2.138
400C	530,000	100 to 500	95 °C	3000	1.375x1.75 to 2x5.75	35x44 to 51x146	Computer Grade		Highest Capacitance 3 Leads	2.145
401C	490,000	6.3 to 250	105 °C	2500*	1.375x1.75 to 2x5.75	35x44 to 51x146	Wide Temperature Grade		High Ripple 3 Leads	2.150
420C	27,000	100 to 500	85 °C	4000*	1.375x1.75 to 2x5.75	35x44 to 51x146	Inverters		High Ripple 3 Leads	2.157
450C	24,000	100 to 500	105 °C	5000*	1.375x1.75 to 2x5.75	35x44 to 51x146	Inverters		High Ripple Long Life	2.161
SEK	15,000	6.3 to 450	105 °C	1000	.197x.433 to .71x1.65	5x11 to 18x42	Long Life		General Purpose	2.173
SH	15,000	6.3 to 350	105 °C	2000	.197x.433 to .71x1.42	5x11 to 18x36	High Reliability Long Life		General Purpose	2.173
SK	15,000	6.3 to 450	85 °C	2000	.197x.433 to .71x1.65	5x11 to 18x42	High Reliability Long Life		Low ESR General Purpose	2.173
SN	2,200	6.3 to 100	85 °C	2000	.197x.433 to .71x1.42	5x11 to 16x36	Non-polar Small Size		Coupling in Signal Circuits	2.173
SS	100	6.3 to 63	85 °C	1000	.157x.276 to .236x.276	4x7 to 6x7	Sub-miniature		For High Density Packaging	2.173
SXR	15,000	6.3 to 100	105 °C	1000 to 5000	.197x.433 to .71x1.57	5x11 to 18x40	Low ESR Low Impedance		Good for High Ripple Applicatins	2.173
VPR	12,000	6.3 to 100	105 °C	2000	.512x1.024 to 1.00x3.625	13x26 to 25.4x92.1	Low ESR High Reliability		Generall Purpose	2.173

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Axial Leaded										
										
057	33,000	6.3 to 250	105 °C	2000	.510x1.25 to .760x3.75	13x32 to 19x95	Military Grad		High Ripple High Vibration	2.174
066/066R	68,000	6.3to 450	105 °C	1000	.635x.760 to 1.250x3.750	16.13x19.30 to 31.75x95.25	General Purpose		Low DCL	2.174
556	12,000	6.3 to 450	105 °C	4000	.25x.51 to .71x1.57	6.3x13 to 18x40	Computer Grade		Long Life High Ripple Capacity	2.174
557/UHL	1,000	6.3 to 250	125 °C	2000	.291x.385 to 1.062x1.250	7.39x9.78 to 26.97x31.75	Wide Temperature Range		Long Life High Temperature	2.174
NLW	400	6.3 to 150	105 °C	1000	.28x.57 to .40x1.57	7x14 to 10x40	Miniature Computer Grade		High Temperature Rugged Bung Seal	2.174
NPA	1,000	16 to 100	105 °C	1000	.24x.57 to .63x1.57	6x16 to 16x40	General Purpose		Non-polar O-ring Seal	2.174
SKA	15,000	6.3 to 450	105 °C	2000	.2x.49 to .87x1.57	5x12.5 to 22x40	General Purpose		Molded Top	2.174
TC	5,000	16 to 450	105 °C	1000	.88x1.63 to 1.0x3.63	22x41 to 25x92	General Purpose		Laminated Top	2.174
TCG	10,000	10 to 450	105 °C	1000	.39x.79 to 1.0x3.63	10x20 to 25x92	Industrial Grade		Molded top O-ring Seal	2.174
TCX	12,000	10 to 150	105 °C	2000	.51x.98 to 1.0x3.63	13x25 to 28x92	Military Grade		Molded Top O-ring Seal	2.174
TKA	15,000	6.3 to 450	105 °C	1000	.2x.49 to .63x1.2	5x12.5 to 16x30	High Density Packaging		Molded Top O-ring Seal	2.174
WBR	5,000	16 to 450	85 °C	2000	.28x.57 to 1.42x3.72	7x14 to 36x94	General Purpose		Molded Top	2.174
Photoflash and Strobe										
										
7P	2,700	330 to 360	55 °C	100,000 Flashes	1.18x.98 to 1.57x3.15	30x25 to 40x80	Photoflash, Hi-Energy		100,000 Flashes Snap-in	2.174
PF	2,100	500	55 °C	100,000 Flashes	1.375x1.68 to 2.0x5.68	35x43 to 51x44	Photoflash, Long Life		100,000 Flashes Screw Terminal	2.174
ST	300	360 to 450	55 °C	10 Million Flashes	0.98x1.38 to 0.98x1.97	25x35 to 25x50	Strobe-Flash, Long Life		30 Million Discharges	2.170
Aluminum Electrolytic Application Guide										2.173

* Full load ripple life test mounted horizontally per EIA IS-749

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