

ALUMINUM ELECTROLYTIC CAPACITORS



PART NUMBER SYSTEM (I)

◆ Surface Mount Type

Series	Rated Voltage	Capacitance	Tolerance	Lead Type	Lead Length	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
□ □ □	□ □	□ □ □	□	□	□	□ □ □ □	□ □ □ □ □ □ □

(1) Series

Series	CTB	CTC	CTF	CES	CED	CEE	CHJ	CSN
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(2) Rated Voltage

Code	0G	0J	1A	1C	1E	1V	1H	1J	1K	2A	2C	2D	2E	2G	2W
WV	4	6.3	10	16	25	35	50	63	80	100	160	200	250	400	450

(3) Capacitance

Code	R10	010	4R7	100	150	220	151	561	102	332
μF	0.1	1	4.7	10	15	22	150	560	1000	3300

(4) Capacitance Tolerance

Code	J	Q	R	K	V	M	H
%	± 5	+30 / -10	+20 / -0	± 10	+20 / -10	± 20	+20 / -5

(5) Lead Type

Code	C
Description	Cutting

(6) Lead Length

Code	B					
ΦD	4.0	5.0	6.3	8.0*	10.0	12.5
Description	2.0	2.2	2.6	3.0	3.2	4.6

*0865 Lead Length "3.3"

(7) Case Dimension

Code	0458	0558	6358	6377	63A5	0865	08A5	08C5	10A5	10C5	12D5	1216
Size	4×5.8	5×5.8	6.3×5.8	6.3×7.7	6.3×10.5	8×6.5	8×10.5	8×12.5	10×10.5	10×12.5	12.5×13.5	12.5×16

(8) Special Request

Code	R	F
Description	High Rated Ripple Current	Endurance

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PART NUMBER SYSTEM (II)

◆ RADIAL LEAD TYPE

Series	Rated Voltage	Capacitance	Tolerance	Lead Type	Lead Length	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
□ □ (□)	□ □	□ □ □	□	□	□	□ □ □ □	□ □ □ □ □ □

(1) Series

Series	SS	SS-H	SB	SB-H	SF	ER	EH	EC	ND	ND-H	LB	LB-H
	SM	EL	EB	EK	EG	EDJ	EY	RF	TW	TV	TD	TX
	PW	PV	PJ	PJL	MW	MV	MJ	MZ	MA	MQ	SW	SQ
	SJ	VW	VQ	VJ								

(2) Rated Voltage

Code	0J	1A	1C	1E	1F	1V	1H	1J	1K	2A	3A	2C	2Z	2D	2P	2E	2V	2G	2S	2W
WV	6.3	10	16	25	30	35	50	63	80	100	120	160	180	200	220	250	350	400	420	450
Code	2B	2H	2L	2J																
WV	475	500	550	600																

(3) Capacitance

Code	R10	R47	010	4R7	100	470	101	471	102	472	473
μF	0.1	0.47	1.0	4.7	10	47	100	470	1000	4700	47000

(4) Capacitance Tolerance

Code	J	Q	R	K	V	M	H
%	±5	+30 / -10	+20 / -0	±10	+20 / -10	±20	+20 / -5

(5) Lead Type

Code	N	C	B	D	F	L	T	R	S	E	P
Description	Long Lead	Cutting	Kink & Cutting	Forming & Cutting							Taping
Drawing	---	Fig 1	Fig 2	Fig 3	Fig 4	Fig 5	Fig 6	Fig 7	Fig 8	Fig 9	Fig 13

(6) Lead Length (Cut / Formed lead)

Code	Z	2	B	E	G	M	3	T	C	D	4	5	6
Length	2.0	2.5	2.8	3.1	3.3	3.5	3.5	3.8	3.8	4.0	4.5	5.0	6.3
Tolerance	+0.3/-0.2						±0.5	±0.3	±0.5				
Code	7	I	8	J	9	K	A	L	F	S	H	Q	N
Length	7.0	7.5	8.0	8.5	9.0	9.5	10	10.5	14.8	1.0	12	3.6	⊕19mm min ○15mm min
Tolerance	±0.5								±0.3	±1.0	+0.3/-0.2		

Taping Code

Code	Z	2	3	5	I
Lead Pitch: +0.8/-0.2	2.0	2.5	3.5	5.0	7.5

(7) Case Dimension

Code	0407	0511	6311	08B5	10C5	1016	1225	16N3	16P1	18N3	18P1	1840
Size	04×07	05×11	6.3×11	08×11.5	10×12.5	10×16	12.5×25	16×31.5	16×35.5	18×31.5	18×35.5	18×40

(8) Special Request

Code	R	F	L	D
Description	High Rated Ripple Current	Endurance	Low Leakage Current	Low Dissipation Factor
Code	H	E	P	---
Description	High Temperature	Low Impedance & ESR	PET Sleeve	---

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PART NUMBER SYSTEM (III)

◆ SNAP-IN TYPE

Series	Rated Voltage	Capacitance	Tolerance	Lead Type	Lead Length	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
□ □ (□)	□ □	□ □ □	□	□	□	□ □ □ □	□ □ □ □ □ □

(1) Series

Series	GM	GV	PL	PK	PG	PO	PI	PIM	TWH	TG	GD	PX
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(2) Rated Voltage

Code	0J	1A	1C	1E	1F	1V	1H	1J	1K	2A	3A	2C	2Z	2D	2P	2E	2V	2G	2S	2W
WV	6.3	10	16	25	30	35	50	63	80	100	120	160	180	200	220	250	350	400	420	450
Code	2B	2H	2L	2J																
WV	475	500	550	600																

(3) Capacitance

Code	470	101	471	102	472	473	683	A12	B22	C32	D42
μF	47	100	470	1000	4700	47000	68000	1010	1120	1230	1340
Code	E52	F62	G72	J82	K92	L12					
μF	1450	1560	1772	1880	1990	2010					

(4) Capacitance Tolerance

Code	J	Q	R	K	V	M	H
%	±5	+30 / -10	+20 / -0	±10	+20 / -10	±20	+20 / -5

(5) Terminal Type

Code	K	N	R
Description	Four Terminals	Snap-in Terminal	Forming & Cutting

(6) Terminal Length

Code	D	4	N	6
Length	4.0	4.5	5.5	6.3
Tolerance	±0.5	±0.5	±0.5	±1.0

(7) Case Dimension

Code	2225	2530	2545	2550	3035	3540	3550
Size	22 × 25	25 × 30	25 × 45	25 × 50	30 × 35	35 × 40	35 × 50

(8) Special Request

Code	R	F	L	D
Description	High Rated Ripple Current	Endurance	Low Leakage Current	Low Dissipation Factor
Code	H	E	P	---
Description	High Temperature	Low Impedance & ESR	PET Sleeve	---

ALUMINUM ELECTROLYTIC CAPACITORS



PART NUMBER SYSTEM (IV)

◆ SPECIAL TYPE

Series	Rated Voltage	Capacitance	Tolerance	Terminal Type	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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(1) Series

Series	AQ	AN	SC	SA	SL	SK	SX
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(2) Rated Voltage

Code	1C	1E	1F	1V	1H	1J	1K	2A	2C	2Z	2D	2P	2E	2V	2G	2S	2W	2H	2L	2J
WV	16	25	30	35	50	63	80	100	160	180	200	220	250	350	400	420	450	500	550	600

(3) Capacitance

Code	R10	R47	010	4R7	100	470	101	471	102	472	473
μF	0.1	0.47	1.0	4.7	10	47	100	470	1000	4700	47000

(4) Capacitance Tolerance

Code	J	Q	R	K	V	M	H
%	±5	+30 / -10	+20 / -0	±10	+20 / -10	±20	+20 / -5

(5) Terminal Type

Code	AC	HU	LS (Screw M5×10)	LA (Screw M5×13)	LB (Screw M6×17)	CA	CL
Description	Two Parts of Terminals	Two Vertical Terminals	Two Screw Terminals			Snap-in Terminal	Lug Terminal

(6) Case Dimension

Code	3535	4095	40A5	51A5	51C0	64A0	64B0	76E3	76L5	90F0	90H0	90J0	90K5	90N0
Size	35×35	40×95	40×105	51×105	51×120	64×100	64×110	76×143	76×215	90×150	90×170	90×190	90×205	90×230

(7) Special Request

Code	R	F	L	D
Description	High Rated Ripple Current	Endurance	Low Leakage Current	Low Dissipation Factor
Code	H	E	P	---
Description	High Temperature	Low Impedance & ESR	PET Sleeve	---