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# ALUMINUM ELECTROLYTIC CAPACITORS



## PART NUMBER SYSTEM ( I )

### ◆ RADIAL LEAD TYPE

Series	Rated Voltage	Capacitance	Tolerance	Lead Forming Type	Lead Length	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

#### (1) Series

Series	SS	SS-H	SB	SB-H	SF	LK	EM	ER	EH	EP	EC	ND
	ND-H	LB	LB-H	SM	PF	PW	EL	EB	ED	EK	EV	EJ
	EG	EY	RF	PY	TL	TD	TX	PC	LF	LL	PV	PJ
	KJ	KY	MW	MV	MJ	PZ	PA	PQ	MZ	MA	MQ	SW
	SQ	SP	VW	VQ	VJ							

#### (2) Rated Voltage

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

#### (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 10

#### (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	
Tolerance	±0.5							±0.3		±1.0	+0.3/-0.2	◎15mm min		

#### 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	04x07	05x11	6.3x11	08x11.5	10x12.5	10x16	12.5x25	16x31.5	16x35.5	18x31.5	18x35.5	18x40

#### (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 ( II )

### ◆ SNAP-IN TYPE

Series	Rated Voltage	Capacitance	Tolerance	Lead Forming Type	Lead Length	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<input type="checkbox"/> <input type="checkbox"/> ( <input type="checkbox"/> )	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

#### (1) Series

Series	GM	GR	GSF	GVF	PM	PL	PK	PT	PG	PO	PI
	TG	GD	PX								

#### (2) Rated Voltage

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

#### (3) Capacitance

Code	470	101	471	102	472	473	683
μF	47	100	470	1000	4700	47000	68000

#### (4) Capacitance Tolerance

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

#### (5) Lead Forming 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 x 25	25 x 30	25 x 45	25 x 50	30 x 35	35 x 40	35 x 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 ( III )

### ◆ SPECIAL TYPE

Series	Rated Voltage	Capacitance	Tolerance	Terminal Forming Type	Case Dimension	Special Request
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

#### (1) Series

Series	AQ	AN	SC	SA	SK	SX	SL		

#### (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 Forming 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	35x35	40x95	40x105	51x105	51x120	64x100	64x110	76x143	76x215	90x150	90x170	90x190	90x205	90x230

#### (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	---