

■ Type List for Aluminum Electrolytic Capacitors

★ : New series
☆ : Upgrade

● Aluminum (Conductive Polymer, Hybrid) Electrolytic Capacitors

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)		Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Outside color	JIS Configurati	Note
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
Hybrid	HV	Low ESR Hybrid Polymer Chip	-55	+105	10000		6.3	100	10	820	5×5.8	12.5×13.5	Silver	32	
	HT	Low ESR Hybrid Polymer Chip, Vibration resistance	-55	+105	10000		6.3	100	10	820	6.3×5.8	12.5×13.5	Silver	32	☆
	HVK	Low ESR, 125°C, Hybrid Polymer Chip	-55	+125	4000	6000	6.3	100	10	820	5×5.8	12.5×13.5	Silver	32	
	HTK	Low ESR, 125°C, Hybrid Polymer Chip, Vibration resistance	-55	+125	4000	6000	6.3	100	10	820	6.3×5.8	12.5×13.5	Silver	32	☆
	HVX	Low ESR, 135°C, Hybrid Polymer Chip	-55	+135	2000	4000	16	63	10	560	6.3×5.8	10×12.5	Silver	32	☆
	HTX	Low ESR, 135°C, Hybrid Polymer Chip, Vibration resistance	-55	+135	2000	4000	16	63	10	560	6.3×5.8	10×12.5	Silver	32	☆
	HVQ	Low ESR, 150°C, Hybrid Polymer Chip	-55	+150	1000		16	63	33	470	8×10	10×10	Silver	32	★
	HTQ	Low ESR, 150°C, Hybrid Polymer Chip, Vibration resistance	-55	+150	1000		16	63	33	470	8×10	10×10	Silver	32	★
	HR	Low ESR Hybrid Polymer, lead terminal type	-55	+105	10000		25	100	15	560	10×10	10×12.5	Silver	04	
	HRK	Low ESR, 125°C, Hybrid Polymer, lead terminal type	-55	+125	4000	6000	25	100	15	560	10×10	10×12.5	Silver	04	
Polymer	PVX	Ultra Low ESR Conductive Polymer Chip	-55	+105	2000		2.5	10	100	1200	5×5.7	6.3×5.7	Silver	32	
	PVM	Super Low ESR Conductive Polymer Chip	-55	+105	2000		2.5	16	33	1200	5×5.7	6.3×5.7	Silver	32	
	PVK	Super Low ESR, High Temp. Conductive Polymer Chip	-55	+125	1000		2.5	16	33	1000	6.3×5.7		Silver	32	

● Chip Type Aluminum Electrolytic Capacitors

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)		Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Outside color	JIS Configurati	Note
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
Standard	RV4	4.5mm L	-40	+85	2000		6.3	50	10	100	6.3×4.5		Silver	32	
	RV5	High CV	-40	+85	2000		4	100	1	2200	4×5.3	12.5×13.5	Silver	32	
	RVB	Non Polarized	-40	+85	2000		6.3	50	1	47	4×5.3	6.3×5.3	Silver	32	
High Reliability	RVE	105°C , 4.5mmL	-40	+105	1000		6.3	50	10	100	6.3×4.5		Silver	32	
	RVS	105°C , 5.5mm L	-55	+105	1000		6.3	50	1	1500	4×5.3	10×10.5	Silver	32	
	RVL	105°C , 5.5mm L	-55	+105	2000		6.3	50	1	100	4×5.7	6.3×5.7	Silver	32	
	RVJ	105°C, Higher Capacitance	-55	+105	2000	5000	6.3	100	10	1000	8×6.5	12.5×13.5	Silver	32	
	RVR	105°C, Long Life, High CV	-40	+105	2000		4	50	1	1500	4×5.3	10×10.5	Silver	32	
	RVI	105°C , Non Polarized, 2000h	-40	+105	2000		6.3	50	1	47	4×5.8	6.3×5.8	Silver	32	
	RVC	105°C, 3000h/5000h	-40	+105	3000	5000	6.3	50	1	1000	4×5.8	10×10	Silver	32	
	RZH	105°C, 5000h/7000h	-55	+105	5000	7000	6.3	35	22	1000	6.3×5.8	10×10	Silver	32	
Low Impedance, Low ESR, High Reliability	RVZ	105°C , Low ESR	-55	+105	1000	5000	6.3	35	4.7	2700	4×5.3	12.5×13.5	Silver	32	
	RVD	105°C , Low ESR, Long life	-55	+105	2000	5000	6.3	100	4.7	2200	4×5.8	12.5×13.5	Silver	32	
	RVV	105°C , Low ESR, High CV	-55	+105	2000		6.3	50	33	1500	6.3×5.8	10×10	Silver	32	
	RZD	105°C , Low ESR, High CV	-55	+105	2000		6.3	50	22	2200	6.3×5.8	10×10	Silver	32	
	RZK	105°C , Low ESR, High CV	-55	+105	2000		25	35	470	1000	8×10	10×10	Silver	32	★
	RVT	125°C , Low ESR	-40	+125	1000	5000	10	100	4.7	1000	4×5.8	12.5×13.5	Silver	32	
	RZJ	125°C , Low ESR, Long Life	-40	+125	2000	3000	10	50	47	470	6.3×7.7	10×10	Silver	32	☆
	RZF	125°C , Low ESR, Long Life, High CV	-40	+125	2000	4000	10	50	22	680	6.3×5.8	10×10	Silver	32	
	RZE	125°C , Low ESR, High CV	-40	+125	2000		35	35	47	100	6.3×7.7		Silver	32	
	RVX	135°C, Higher Reliability	-40	+135	1000		25	35	22	330	8×10	10×10	Silver	32	
For Vibration Resistance	RTZ	105°C, Low ESR, High CV, 30G Vibration resistance	-55	+105	1000	5000	6.3	35	33	8200	6.3×5.8	18×21.5	Silver	32	
	RTD	105°C, Low ESR, High CV, 30G Vibration resistance	-55	+105	2000	4000	6.3	100	10	8200	6.3×5.8	18×21.5	Silver	32	
	RTT	125°C, Low ESR, High CV, 30G Vibration resistance	-40	+125	1000	5000	10	100	10	4700	6.3×5.8	18×21.5	Silver	32	
	RTQ	150°C, Low ESR, High CV, 30G Vibration resistance	-40	+150	1000		10	35	33	470	8×10	10×10	Silver	32	

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NOTE : Design, Specifications are subject to change without notice.
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■ Type List for Aluminum Electrolytic Capacitors

★ : New series
☆ : Upgrade

● Miniature Aluminum Electrolytic Capacitors

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)		Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Outside color	JIS Configurati	Note
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
Low profile	RC3	5mmL, Standard	-40	+85	1000		4	50	1	470	4×5	8×5	Blue	04	
	R3S	5mmL, 105°C	-55	+105	1000		6.3	50	1	100	4×5	6.3×5	Black	04	
	RB3	5mmL, Bipolar	-40	+85	1000		6.3	50	0.33	47	4×5	6.3×5	Blue	04	
	RC2	7mmL, Standard	-40	+85	1000		4	100	1	330	4×7	8×7	Blue	04	
	R2S	7mmL, 105°C	-55	+105	1000		6.3	50	1	100	4×7	6.3×7	Black	04	
	RB2	7mmL, Bipolar	-40	+85	1000		6.3	50	0.33	47	4×7	6.3×7	Blue	04	
Standard	RE3	Miniaturized Standard	-40	+85	2000		6.3	450	0.47	22000	5×11	18×40	Blue	04	
	R2B	Bipolarity Standard	-40	+85	2000		6.3	100	1	4700	5×11	18×35.5	Blue	04	
	RJP	105°C, Bipolar	-40	+105	1000	2000	6.3	50	1	6800	5×11	18×35.5	Black	04	
	RJ5	105°C, Miniaturized, High CV	-55	+105	1000		6.3	100	1	22000	5×11	18×40	Black	04	
			-40		1000 2000		160	450	1	470	6.3×11	18×40			
	RJ4	105°C, Miniaturized	-55	+105	1000 2000		6.3	100	1	22000	5×11	18×40	Black	04	
-40			160 450		1	330	6.3×11	18×35.5							
RJ3	105°C, Low Impedance	-55	+105	1000 2000		6.3	100	1	15000	5×11	18×35.5	Black	04		
		-40		160 400		1	220	6.3×11	18×40						
Special	RLB	Low-leakage Current	-40	+85	1000		6.3	50	1	2200	5×11	18×35.5	Blue	04	
Low Impedance, Low ESR, High Reliability	RJB	105°C, Low Impedance, Miniaturized	-55	+105	2000	5000	6.3	100	3.3	10000	5×11.5	16×31.5	Black	04	
	RJH	105°C, Extra Low Impedance	-55	+105	2000	5000	6.3	100	1	15000	5×11.5	18×40	Black	04	
	RJF	105°C, Extra Low Impedance, Miniaturized	-40	+105	1000	10000	6.3	100	5.6	6800	4×7	18×40	Black	04	
	RJM	105°C, Long life, Low Impedance	-40	+105	6000	10000	6.3	50	27	8200	5×11.5	16×25	Black	04	
	RJD	105°C, Low ESR, High Ripple, Miniaturized	-55	+105	2000	8000	6.3	100	10	18000	5×11.5	20×40	Black	04	
	RKD	125°C, Low ESR, Miniaturized	-40	+125	2000	5000	10	100	100	8200	8×12	20×40	Black	04	
	RKB	135°C, Low ESR, Miniaturized	-40	+135	2000	3000	10	100	220	6800	10×12.5	18×40	Silver	04	
	RKC	135°C, Low ESR, Miniaturized	-40	+135	2000	3000	25	100	160	12000	12.5×20	18×40	Silver	04	
	RQA	150°C, Miniaturized	-40	+150	1000		10	63	220	4700	10×14.5	18×42.5	Silver	04	
	RQB	150°C, Miniaturized	-40	+150	2000		35	80	320	4700	16×26.5	18×42.5	Silver	04	★
For Air bag	RJE	105°C, Low ESR, High Ripple, For Airbag	-55	+105	5000		25	35	830	11000	12.5×15	18×40	Black	04	
	RJK	105°C, High CV, Low ESR, High Ripple, For Airbag	-55	+105	5000		25	35	2500	17000	16×20	20×40	Black	04	
For Vibration Resistance	RPK	125°C, Low ESR, 30G Vibration resistance	-40	+125	5000		10	100	220	8200	12.5×15	20×40	Black	04	
	RKE	125°C, Low ESR, 40G Vibration resistance	-40	+125	5000		25	50	1200	8200	16×31.5	22×40	Silver	04	
	RKF	135°C, Low ESR, 40G Vibration resistance	-40	+135	2000	3000	25	100	180	10000	12.5×25	22×40	Silver	04	
	RKG	150°C, Low ESR, 40G Vibration resistance	-40	+150	1000	2000	25	80	800	4700	18×42	22×42	Silver	04	
High Ripple, long Life	RHS	105°C, Long Life, High Ripple, For OBC	-40	+105	4000	5000	160	450	1	1000	10×12.5	22×50	Black	04	
	RHC	105°C, Long Life, High Ripple, For OBC	-40	+105	5000	10000	160	450	2.2	1000	10×12.5	22×50	Black	04	
	RHD	105°C, Long Life, High Ripple, For OBC	-40	+105	8000	12000	160	450	3.3	1000	10×12.5	22×50	Black	04	

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● Some of the series listed in the below table have been removed from the catalogue.

Please select from the new series for a designing your(new) application.

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)		Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Substitute series to recommend
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
Polymer	PRM	Ultra Low ESR Conductive Polymer Chip	-55	+105	2000		2.5	6.3	120	1200	5×5.7	10×7.7	—
Chip	RV2	85°C, 5.5mm L, Standard	-40	+85	2000		4	50	0.1	220	3×5.3	6.3×5.3	RV5
	RV3	85°C, High CV	-40	+85	2000		6.3	50	4.7	330	4×5.3	6.3×7.7	RV5
	RV	85°C, Large Capacitance	-40	+85	2000		6.3	100	10	2200	8×6.5	12.5×13.5	RV5

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■ Type List for Aluminum Electrolytic Capacitors

★ : New series
☆ : Upgrade

● Large Capacitance Aluminum Electrolytic Capacitors

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)	Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Outside color	JIS Configurati	Note
			Min.	Max.		Min.	Max.	Min.	Max.	Min.	Max.			
Snap-in	LA5	Miniaturized	-40 -25	+85	2000	10 —	400 450	56 47	150000 820	22×20	35×50	Black	692	
	LAH	105°C , Standard	-40 -25	+105	2000	16 160	100 450	390 56	82000 2200	22×20	35×50	Black	692	
	LAT	105°C , Miniaturized	-25	+105	2000	160	500	22	3900	22×20	35×60	Black	692	
	LAZ	High-Reliability, High Ripple, Long Life	-40 -25	+105	3000	16 160	100 500	390 39	82000 3900	22×20	35×50 35×60	Black	692	
	LAX	105°C , Ultra Long Life	-25	+105	5000	160	500	39	3900	22×20	35×60	Black	692	
	LJ6	105°C , Higher Capacitance, Ultra Long Life	-25	+105	5000	200	500	390	3900	35×40	40×80	Black	—	
	LJ2	105°C , Higher Capacitance, Ultra Long Life	-25	+105	5000	200	500	560	3900	40×45	40×80	Black	—	
Special	LPM	High ripple current	-25	+85	2000	250	400	45	220	35×40	35×50	Black	692	
	LM	High ripple current, Higher Capacitance	-25	+85	2000	250	400	90	440	35×80	40×100	Black	—	
Screw terminal	LYX	105°C . Ultra Long Life	-40	+105	5000	350	450	1000	15000	51×75	90×236	Black	331	
	LYL	Ultra Long Life	-40	+85	20000	350	450	1000	15000	51×75	90×236	Black	331	
	LY6	High Ripple, Miniaturized	-25	+85	5000	400	600	1000	22000	51×115	101×237	Black	331	
	LY5	Standard	-40 -25	+85	2000	10 350	250 630	1500 470	820000 18000	36×53 36×83	90×171 101×220	Black	331	

● Aluminum Electrolytic Capacitors for Audio

Category	Series	Application	Category Temp. Range (°C)		Life time Range (hours)	Rated Voltage Range (V.DC)		Rated Capacitance Range (μF)		Size range φD x L (mm)		Outside color	JIS Configurati	Note
			Min.	Max.		Min.	Max.	Min.	Max.	Min.	Max.			
For Audio	RVO	Chip Type (PURECAP)	-40	+85	2000	6.3	50	0.33	1000	4×5.3	10×10	Silver	32	
	RVF	Chip Type (SILMIC)	-40	+85	2000	10	50	1	100	4×5.3	8×10	Silver	32	
	RVM	Chip Type 105°C , 2000h	-55	+105	2000	6.3	50	1	470	4×5.8	10×10.5	Silver	32	
	RVG	Chip Type	-40	+85	2000	6.3	35	3.3	470	4×5.3	10×10	Silver	32	
	RFS	High Grade (SILMIC II)	-40	+85	1000	6.3	100	3.3	3300	5×11	18×40	Brown	04	
	ROS	High Grade (SILMIC)	-40	+85	1000	16	100	10	2200	6.3×11	18×40	Brown	04	
	ROB	Miniaturized Standard (TONEREX)	-40	+85	1000	6.3	100	1	10000	5×11	18×40	Black	04	
	RFO	Standard (PURECAP)	-40	+85	1000	6.3	100	1	15000	5×11	18×35.5	Black	04	
	RA3	Miniaturized Standard	-40	+85	2000	6.3	100	1	22000	5×11	18×35.5	Brown	04	
	RW5	105°C , Miniaturized	-55	+105	1000	16	25	100	15000	5×11.5	18×40	Black	04	
	RBD	Miniaturized Bipolar	-40	+85	2000	6.3	100	1	4700	5×11	18×35.5	Black	04	
	LA0	For Audio, Higher Capacitance	-40	+85	1000	16	100	680	10000	22×20	35×50	Black	692	

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