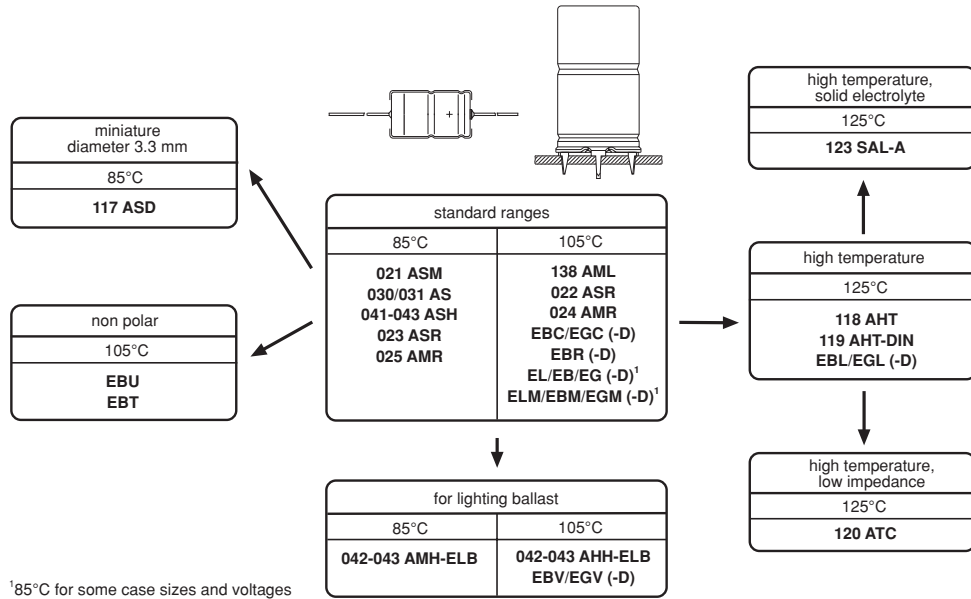
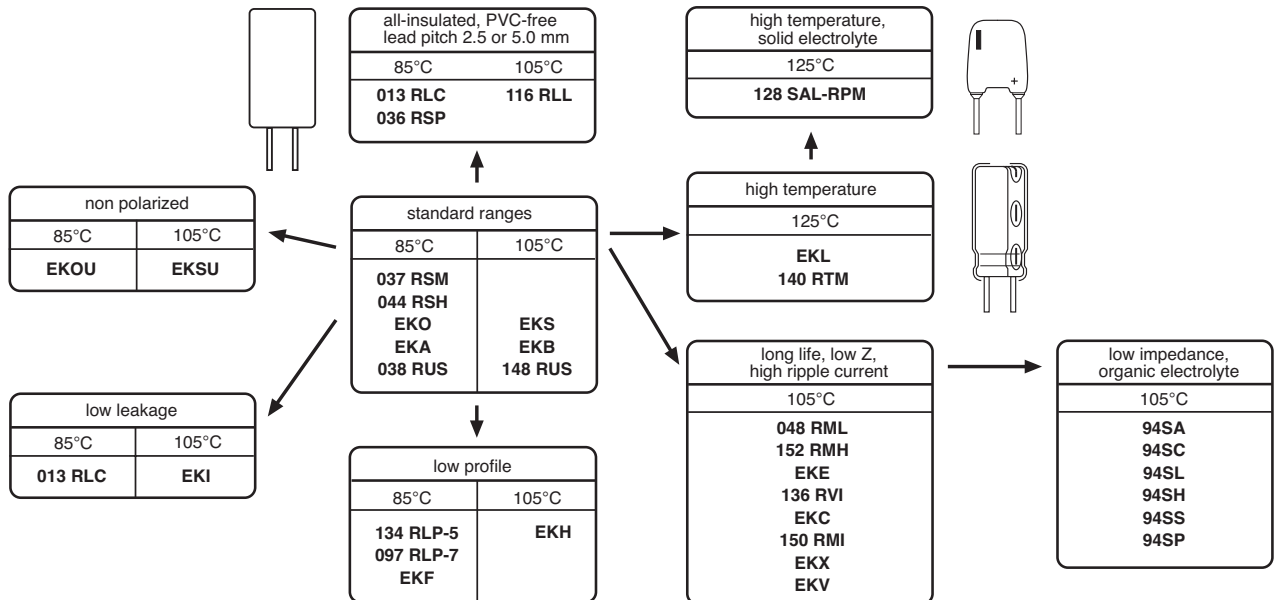


## Selection Charts

### AXIAL SERIES

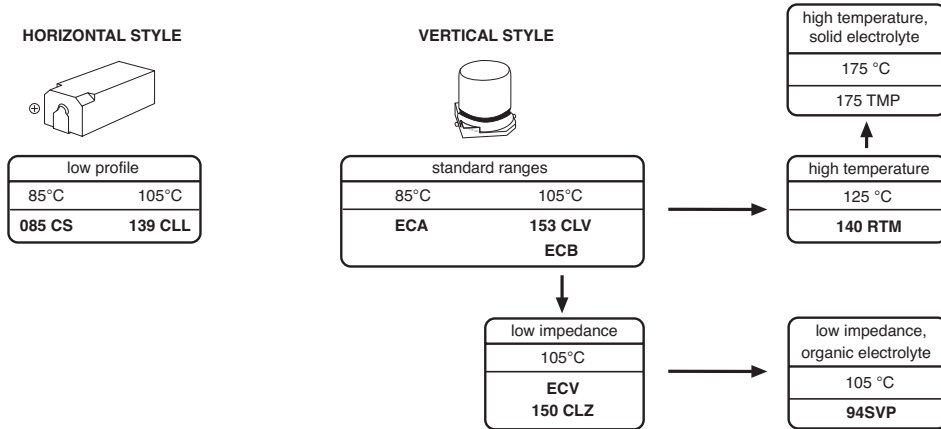


### RADIAL SERIES

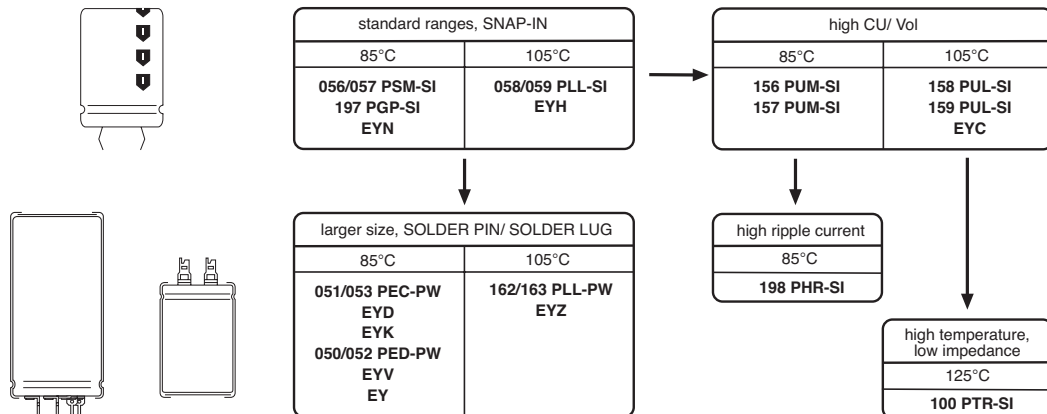


## Selection Charts

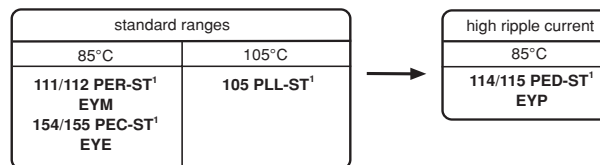
### SMD SERIES



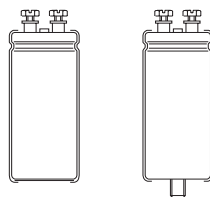
### SNAP-IN/SOLDER PIN/SOLDER LUG SERIES



### SCREW TERMINAL SERIES



<sup>1</sup>not available in North America



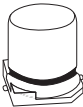
# Aluminum Capacitors

Vishay



## FEATURES

- General purpose and special styles
- Long life and high reliability styles
- High capacitance and high ripple current styles

PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
Aluminum Capacitors SMD Type Useful life 2500h/85°C	ECA	47 - 220	4	- 40	85	20	5.4	3 - 6.3
	ECA	22 - 1000	6.3	- 40	85	20	5.4 - 10.2	3 - 10
	ECA	33 - 470	10	- 40	85	20	5.4 - 10.2	4 - 10
	ECA	10 - 470	16	- 40	85	20	5.4 - 10.2	3 - 10
	ECA	4.7 - 220	25	- 40	85	20	5.4 - 10.2	3 - 10
	ECA	2.2 - 100	35	- 40	85	20	5.4 - 10.2	3 - 10
	ECA	0.1 - 47	50	- 40	85	20	5.4 - 10.2	3 - 10
Aluminum Capacitors SMD Type Useful life 1500h/105°C	ECB	22 - 100	6.3	- 55	105	20	5.4	4 - 6.3
	ECB	22 - 47	10	- 55	105	20	5.4	5 - 6.3
	ECB	10 - 47	16	- 55	105	20	5.4	4 - 6.3
	ECB	4.7 - 33	25	- 55	105	20	5.4	4 - 6.3
	ECB	4.7 - 22	35	- 55	105	20	5.4	4 - 6.3
	ECB	0.1 - 10	50	- 55	105	20	5.4	4 - 6.3
Aluminum Capacitors SMD Type Useful life 2500h/105°C	ECV	47 - 220	4	- 40	105	20	5.8	4 - 6.3
	ECV	22 - 100	6.3	- 40	105	20	5.8	4 - 6.3
	ECV	33	10	- 40	105	20	5.8	5
	ECV	10 - 47	16	- 40	105	20	5.8	4 - 6.3
	ECV	4.7 - 33	25	- 40	105	20	5.8	4 - 6.3
	ECV	10 - 22	35	- 40	105	20	5.8	5 - 6.3
	ECV	0.1 - 10	50	- 40	105	20	5.8	4 - 6.3
PRODUCT DESCRIPTION	TYPE	CASE CODE	RATED VOLTAGE (V)	NOM. CAP. (μF)	RIPPLE CURRENT	LEAKAGE CURRENT	TANGENT OF LOSS	MAX. ESR 100K-300 KHZ
Aluminum Capacitors SMD Type Organic Semiconductor Electrolyte 	94SVP	A5	16 - 4	3.3 - 33	590 - 74	26.4 - 66	0.07 - 0.15	280 - 200
	94SVP	B6	20 - 4	10 - 68	850 - 1100	100 - 136	0.10 - 0.15	170 - 70
	94SVP	C6	25 - 4	6.8 - 150	1200 - 1620	85 - 120	0.10 - 0.12	80 - 50
	94SVP	E7	25 - 4	10 - 330	1500 - 2560	125 - 264	0.10 - 0.12	60 - 35
	94SVP	F8	25 - 4	22 - 680	2000 - 3700	275 - 544	0.10 - 0.12	50 - 25
	94SVP	E12	25 - 2.5	33 - 680	3700 - 4080	413 - 340	0.12 - 0.15	30 - 16
	94SVP	F12	25 - 2.5	56 - 1500	3800 - 5230	340 - 750	0.12 - 0.18	28 - 13



PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (µF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> RADIAL Type Very small dimensions Useful life 3000h/85°C	EKF	22 - 220	6.3	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	15 - 220	10	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	10 - 150	16	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	6.8 - 100	25	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	4.7 - 47	35	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	3.3 - 33	50	- 40	85	20	5.0 - 7.0	4 - 8
	EKF	0.1 - 22	6.3	- 40	85	20	5.0 - 8.0	4 - 8
<b>Aluminum Capacitors</b> RADIAL TYPE Low Profile Useful life 1500h/105°C	EKH	15 - 220	4	- 55	105	20	5 - 7	4 - 8
	EKH	10 - 220	6.3	- 55	105	20	5 - 7	4 - 8
	EKH	10 - 150	10	- 55	105	20	5 - 7	4 - 8
	EKH	6.8 - 100	16	- 55	105	20	5 - 7	4 - 8
	EKH	4.7 - 68	25	- 55	105	20	5 - 7	4 - 8
	EKH	3.3 - 47	35	- 55	105	20	5 - 7	4 - 8
	EKH	0.1 - 33	50	- 55	105	20	5 - 7	4 - 8
	EKH	0.1 - 4.7	63	- 55	105	20	5 - 7	4 - 8
<b>Aluminum Capacitors</b> RADIAL Type Miniaturized dimensions Useful life 3000h/85°C	EKA	1000 - 22000	6.3	- 40	85	20	11.5 - 40	8 - 18
	EKA	220 - 15000	10	- 40	85	20	11 - 35.5	5 - 18
	EKA	100 - 10000	16	- 40	85	20	11 - 35.5	5 - 18
	EKA	33 - 6800	25	- 40	85	20	11.5 - 35.5	8 - 18
	EKA	47 - 4700	35	- 40	85	20	11 - 35.5	5 - 18
	EKA	220 - 3300	50	- 40	85	20	12.5 - 35.5	10 - 18
	EKA	33 - 1000	63	- 40	85	20	11 - 25	5 - 16
	EKA	10 - 470	100	- 40	85	20	11 - 25	5 - 16
	EKA	4.7 - 330	160	- 40	85	20	11 - 35.5	6.3 - 18
	EKA	3.3 - 220	200	- 40	85	20	11 - 35.5	6.3 - 18
	EKA	3.3 - 220	250	- 40	85	20	11.5 - 40	8 - 18
	EKA	3.3 - 100	350	- 40	85	20	11.5 - 35.5	8 - 16
	EKA	2.2 - 100	400	- 40	85	20	11.5 - 40	8 - 18
	EKA	1.0 - 47	450	- 40	85	20	11.5 - 31.5	8 - 16
<b>Aluminum Capacitors</b> RADIAL Type Standard dimensions Useful life 3000h/85°C General Purposes	EKO	100 - 10000	10	- 40	85	20	11 - 35.5	5 - 18
	EKO	100 - 6800	16	- 40	85	20	11 - 35.5	6.3 - 18
	EKO	47 - 4700	25	- 40	85	20	11 - 35.5	5 - 18
	EKO	33 - 3300	35	- 40	85	20	11 - 35.5	5 - 18
	EKO	0.47 - 2200	50	- 40	85	20	11 - 35.5	5 - 18
	EKO	4.7 - 1000	63	- 40	85	20	11 - 31.5	5 - 16
	EKO	0.47 - 470	100	- 40	85	20	11 - 31.5	5 - 16
	EKO	1 - 220	160	- 40	85	20	11 - 35.5	6.3 - 18
	EKO	1 - 100	250	- 40	85	20	11 - 31.5	6.3 - 16
	EKO	2.2 - 100	350	- 40	85	20	12.5 - 40	10 - 18
	EKO	2.2 - 68	400	- 40	85	20	12.5 - 35.5	10 - 16
	EKO	1 - 47	450	- 40	85	20	11.5 - 35.5	8 - 16

# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (µF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
Aluminum Capacitors RADIAL TYPE NON POLAR Useful life 3000h/85°C	EKOU	68 - 6800	6.3	- 40	- 85	20	11 - 40	5 - 18
	EKOU	47 - 4700	10	- 40	- 85	20	11 - 40	5 - 18
	EKOU	33 - 3300	16	- 40	- 85	20	11 - 40	5 - 18
	EKOU	22 - 2200	25	- 40	- 85	20	11 - 40	5 - 18
	EKOU	15 - 1500	35	- 40	- 85	20	11 - 40	5 - 18
	EKOU	0.47 - 1000	50	- 40	- 85	20	11 - 40	5 - 18
	EKOU	0.47 - 680	63	- 40	- 85	20	11 - 40	5 - 18
	EKOU	0.47 - 330	100	- 40	- 85	20	11 - 40	5 - 18
	EKOU	3.3 - 68	160	- 40	- 85	20	16 - 35.5	5 - 18
	EKOU	3.3 - 47	200	- 40	- 85	20	16 - 40	5 - 18
	EKOU	3.3 - 33	250	- 40	- 85	20	20 - 35.5	5 - 18
Aluminum Capacitors RADIAL Type Miniaturized dimensions Useful life: Diam. 5 - 8 1500h/105°C Diam. 10 - 18 2500h/105°C	EKB	680 - 22000	6.3	- 40	105	20	11 - 40	8 - 18
	EKB	150 - 15000	10	- 40	105	20	11 - 35.5	5 - 18
	EKB	100 - 10000	16	- 40	105	20	11 - 35.5	5 - 18
	EKB	68 - 6800	25	- 40	105	20	11 - 35.5	5 - 18
	EKB	47 - 4700	35	- 40	105	20	11 - 35.5	5 - 18
	EKB	33 - 3300	50	- 40	105	20	11 - 35.5	5 - 18
	EKB	15 - 1500	63	- 40	105	20	11 - 35.5	5 - 16
	EKB	2.2 - 1000	100	- 40	105	20	11 - 40	5 - 18
	EKB	4.7 - 330	160	- 40	105	20	11 - 35.5	6.3 - 18
	EKB	3.3 - 220	200	- 40	105	20	11 - 35.5	6.3 - 18
	EKB	2.2 - 150	250	- 40	105	20	11 - 35.5	6.3 - 16
	EKB	2.2 - 68	350	- 40	105	20	11.5 - 31.5	8 - 16
	EKB	2.2 - 68	400	- 40	105	20	11.5 - 35.5	8 - 18
	EKB	2.2 - 47	450	- 40	105	20	12.5 - 35.5	10 - 16
Aluminum Capacitors RADIAL Type Standard dimensions Useful life: Diam. 5 - 8 1500h/105°C Diam. 10 - 18 2500h/105°C	EKS	100 - 10000	10	- 40	105	20	11 - 35.5	5 - 18.0
	EKS	100 - 6800	16	- 40	105	20	11 - 40	6.3 - 16
	EKS	47 - 4700	25	- 40	105	20	11 - 40	5 - 18
	EKS	33 - 3300	35	- 40	105	20	11 - 35.5	5 - 18
	EKS	0.47 - 2200	50	- 40	105	20	11 - 35.5	5 - 18
	EKS	10 - 1000	63	- 40	105	20	11 - 31.5	5 - 16
	EKS	0.47 - 680	100	- 40	105	20	11 - 40	5 - 18
	EKS	2.2 - 220	160	- 40	105	20	11 - 40	6.3 - 16
	EKS	0.47 - 150	250	- 40	105	20	11 - 40	6.3 - 18
	EKS	1 - 100	350	- 40	105	20	11.5 - 40	8 - 18
	EKS	1 - 47	400	- 40	105	20	11.5 - 35.5	8 - 16
	EKS	1 - 47	450	- 40	105	20	11.5 - 40.0	8 - 18



PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> RADIAL TYPE NON POLAR Useful life 1500h/105°C	EKSU	33 - 4700	6.3	- 40	105	20	11 - 40	5 - 18
	EKSU	22 - 3300	10	- 40	105	20	11 - 40	5 - 18
	EKSU	15 - 2200	16	- 40	105	20	11 - 40	5 - 18
	EKSU	10 - 1500	25	- 40	105	20	11 - 40	5 - 18
	EKSU	6.8 - 1000	35	- 40	105	20	11 - 40	5 - 18
	EKSU	4.7 - 680	50	- 40	105	20	11 - 40	5 - 18
	EKSU	3.3 - 470	63	- 40	105	20	11 - 40	5 - 18
	EKSU	0.1 - 15	100	- 40	105	20	11 - 16	5 - 10
<b>Aluminum Capacitors</b> RADIAL Type Low leakage Useful life 1500h/105°C	EKI	47 - 330	10	- 40	105	20	11.0 - 12.5	5 - 10
	EKI	33 - 220	16	- 40	105	20	11.0 - 12.5	5 - 10
	EKI	22 - 100	25	- 40	105	20	11.0 - 11.5	5 - 8
	EKI	22 - 100	35	- 40	105	20	11.0 - 12.5	6.3 - 10
	EKI	0.1 - 68	50	- 40	105	20	11.0 - 12.5	5 - 10
<b>Aluminum Capacitors</b> RADIAL Type Useful life: ≤ 50V 2500h/125°C ≥ 63V 1500h/125°C	EKL	47 - 470	10	- 40	125	20	11.5 - 25	8 - 13
	EKL	33 - 470	16	- 40	125	20	11.5 - 25	8 - 16
	EKL	22 - 330	25	- 40	125	20	11.5 - 25	8 - 16
	EKL	10 - 220	35	- 40	125	20	11.5 - 25	8 - 16
	EKL	0.47 - 100	50	- 40	125	20	11.5 - 25	8 - 13
	EKL	0.47 - 100	63	- 40	125	20	11.5 - 25	8 - 13
	EKL	0.47 - 47	100	- 40	125	20	11.5 - 31.5	8 - 16
<b>Aluminum Capacitors</b> RADIAL Type Low impedance Useful life ≤100V: Diam. 5, 6.3 2500h/105°C Diam. 8, 10 3500h/105°C Diam. ≥12.5 5500h/105°C Useful life > 100V: 2500h/105°C	EKE	10 - 10000	10	- 55	105	20	11 - 35.5	5 - 18
	EKE	330 - 10000	16	- 55	105	20	11 - 40	8 - 18
	EKE	47 - 6800	25	- 55	105	20	11 - 40	5 - 18
	EKE	33 - 4700	35	- 55	105	20	11 - 40	5 - 18
	EKE	22 - 2200	50	- 55	105	20	11 - 35.5	5 - 18
	EKE	10 - 1000	63	- 55	105	20	11 - 31.5	5 - 16
	EKE	0.47 - 470	100	- 55	105	20	11 - 31.5	5 - 16
	EKE	10 - 220	160	- 40	105	20	16 - 35.5	10 - 18
	EKE	10 - 220	200	- 40	105	20	16 - 35.5	10 - 18
	EKE	4.7 - 220	250	- 40	105	20	16 - 40	10 - 18
	EKE	3.3 - 33	400	- 40	105	20	20 - 31.5	10 - 16
	EKE	2.2 - 33	450	- 40	105	20	16 - 35.5	10 - 18
	<b>Aluminum Capacitors</b> RADIAL Type Low impedance Useful Life 3000h - 10000h/105°C	EKC	82 - 8200	10	- 55	105	20	11.5 - 40
EKC		47 - 5600	16	- 55	105	20	11.5 - 40	5-16
EKC		39 - 3900	25	- 55	105	20	11.5 - 40	5-16
EKC		22 - 2700	35	- 55	105	20	11.5 - 40	5-16
EKC		18 - 1500	50	- 55	105	20	11.5 - 40	5-16
EKC		10 - 1000	63	- 55	105	20	11.5 - 40	5-16

# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> RADIAL Type Very low impedance Useful life: Diam. 5, 6.3 2500h/105°C Diam. 8 3500h/105°C Diam. 10 4500h/105°C Diam. 12.5 - 18 5500h/105°C	EKX	22-15000	6.3	- 40	105	20	11 - 35.5	5 - 18
	EKX	22-10000	10	- 40	105	20	11 - 35.5	5 - 18
	EKX	10-6800	16	- 40	105	20	11 - 35.5	5 - 18
	EKX	4.7-4700	25	- 40	105	20	11 - 35.5	5 - 18
	EKX	4.7-3300	35	- 40	105	20	11 - 35.5	5 - 18
	EKX	0.47-2200	50	- 40	105	20	11 - 35.5	5 - 18
	EKX	3.3-1000	63	- 40	105	20	11 - 35.5	5 - 16
	EKX	2.2-470	100	- 40	105	20	11 - 40	5 - 18
<b>Aluminum Capacitors</b> RADIAL Type Ballast applications Useful life: 6000h/105°C	EKV	10 - 150	160	- 40	- 105	20	16 - 31.5	10 - 16
	EKV	10 - 150	200	- 40	- 105	20	16 - 31.5	10 - 16
	EKV	10 - 100	250	- 40	- 105	20	20 - 31.5	10 - 16
	EKV	10 - 68	350	- 40	- 105	20	20 - 31.5	10 - 16
	EKV	10 - 47	400	- 25	- 105	20	20 - 31.5	10 - 16
	EKV	6.8 - 33	450	- 25	- 105	20	20 - 31.5	12.5 - 16
<b>Aluminum Capacitors</b> AXIAL Type Useful life ≤ 100V: Diam. 4.5 - 6 500h/105°C Diam. 6.5 - 10 750h/105°C Diam. 12 - 30 1500h/105°C Useful life > 100V: Diam. 12 - 30 3000h/85°C	ELM/EBM/EGM	1000 - 47000	6.3	- 40	85(105)	20	18 - 40	8 - 30
	ELM/EBM/EGM	100 - 47000	10	- 40	85(105)	20	11 - 50	4.5 - 30
	ELM/EBM/EGM	470 - 33000	16	- 40	85(105)	20	18 - 45	8 - 30
	ELM/EBM/EGM	33 - 22000	25	- 40	85(105)	20	11 - 45	4.5 - 30
	ELM/EBM/EGM	22 - 15000	40	- 40	85(105)	20	11 - 50	4.5 - 30
	ELM/EBM/EGM	470 - 10000	50	- 40	85(105)	20	25 - 50	12 - 30
	ELM/EBM/EGM	10 - 6800	63	- 40	85(105)	20	11 - 45	4.5 - 30
	ELM/EBM/EGM	1 - 3300	100	- 40	85(105)	20	11 - 50	4.5 - 30
	ELM/EBM/EGM	100 - 1000	160	- 40	85	20	30 - 40	12 - 30
	ELM/EBM/EGM	100 - 1000	200	- 40	85	20	30 - 50	16 - 30
	ELM/EBM/EGM	47 - 680	250	- 40	85	20	25 - 45	12 - 30
	ELM/EBM/EGM	22 - 330	350	- 40	85	20	25 - 40	12 - 30
	ELM/EBM/EGM	22 - 330	385	- 40	85	20	25 - 45	12 - 30
	ELM/EBM/EGM	22 - 330	400	- 40	85	20	30 - 50	12 - 30
	ELM/EBM/EGM	22 - 220	450	- 40	85	20	30 - 45	12 - 30
	ELM/EBM/EGM	10 - 220	500	- 40	85	20	35 - 50	12 - 30
<b>Aluminum Capacitors</b> AXIAL Type Useful life ≤ 100V: Diam. 3.3 1500h/85°C Diam. 4.5 - 6 750h/105°C Diam. 6.5 - 10 1000h/105°C Diam. 12 - 30 2000h/105°C Useful life > 100V: Diam. 6.5 - 10 3000h/85°C Diam. 12 - 30 5000h/85°C	EL / EB / EG	10 - 33000	6.3	- 40	85(105)	- 10 to 50	8 - 50	3.3 - 30
	EL / EB / EG	22 - 22000	10	- 40	85(105)	- 10 to 50	11 - 45	4.5 - 30
	EL / EB / EG	4.7 - 22000	16	- 40	85(105)	- 10 to 50	8 - 50	3.3 - 30
	EL / EB / EG	10 - 15000	25	- 40	85(105)	- 10 to 50	11 - 50	4.5 - 30
	EL / EB / EG	1.0 - 10000	40	- 40	85(105)	- 10 to 50	8 - 50	3.3 - 30
	EL / EB / EG	100 - 6800	50	- 40	85(105)	- 10 to 50	18 - 50	10 - 30
	EL / EB / EG	0.47 - 4700	63	- 40	85(105)	- 10 to 50	8 - 50	3.3 - 30
	EL / EB / EG	0.47 - 2200	100	- 40	85(105)	- 10 to 50	11 - 50	4.5 - 30
	EL / EB / EG	4.7 - 680	160	- 40	85	- 10 to 50	18 - 45	6.5 - 30
	EL / EB / EG	2.2 - 470	250	- 40	85	- 10 to 50	18 - 50	6.5 - 30
	EL / EB / EG	4.7 - 330	350	- 40	85	- 10 to 50	18 - 50	10 - 30
	EL / EB / EG	1.0 - 220	385	- 40	85	- 10 to 50	18 - 45	6.5 - 30
	EL / EB / EG	15 - 220	400	- 40	85	- 10 to 50	25 - 40	12 - 30
	EL / EB / EG	10 - 220	450	- 40	85	- 10 to 50	25 - 50	12 - 30
	EL / EB / EG	6.8 - 150	500	- 40	85	- 10 to 50	25 - 45	12 - 30



PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (µF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> AXIAL TYPE NON POLAR Useful life 1000h/105°C	EBU	47 - 220	16	- 40	85(105)	- 10 to 50	18 - 25	8 - 10
	EBU	10 - 100	40	- 40	85(105)	- 10 to 50	18 - 25	8 - 10
	EBU	10 - 47	63	- 40	85(105)	- 10 to 50	18 - 25	8 - 10
<b>Aluminum Capacitors</b> AXIAL Type Low impedance Useful life 1000h/105°C	EBR	100 - 470	16	- 40	85(105)	- 10 to 50	18 - 25	8-10
	EBR	100 - 220	25	- 40	85(105)	- 10 to 50	18 - 25	8-10
	EBR	47 - 100	40	- 40	85(105)	- 10 to 50	18 - 25	8-10
	EBR	22 - 47	63	- 40	85(105)	- 10 to 50	18 - 25	8-10
	EBR	10 - 47	100	- 40	85(105)	- 10 to 50	18 - 25	8-10
<b>Aluminum Capacitors</b> AXIAL Type Useful life ≤100V: Diam. 6.5 - 10 3000h/105°C Diam. 12 - 30 5000h/105°C Useful life > 100V: Diam. 6.5 - 10 3000h/105°C Diam. 12 - 30 4000h/105°C	EBC / EGC	47 - 10000	16	- 40	105	- 10 to 50	18 - 40	6.5-30
	EBC / EGC	22 - 6800	25	- 40	105	- 10 to 50	18 - 40.	6.5-30
	EBC / EGC	10 - 4700	40	- 40	105	- 10 to 50	18 - 45	6.5-30
	EBC / EGC	4.7 - 2200	63	- 40	105	- 10 to 50	18 - 40	6.5-30
	EBC / EGC	4.7 - 1000	100	- 40	105	- 10 to 50	18 - 50	6.5-25
	EBC / EGC	2.2 - 470	160	- 40	105	- 10 to 50	18 - 45	6.5-25
	EBC / EGC	2.2 - 470	250	- 40	105	- 10 to 50	18 - 45	8-30
	EBC / EGC	1 - 220	350	- 40	105	- 10 to 50	18 - 40	6.5-30
	EBC / EGC	10 - 220	385	- 40	105	- 10 to 50	25 - 45	12-30
	EBC / EGC	10 - 220	400	- 40	105	- 10 to 50	25 - 45	12-30
	EBC / EGC	10 - 220	450	- 40	105	- 10 to 50	25 - 50	12-30
<b>Aluminum Capacitors</b> AXIAL Type Useful life: Diam. 6.5 - 10 4000h/125°C Diam. 12 - 21 8000h/125°C Endurance test for: Diam. 12 - 21 1000h/150°C	EBL / EGL	220 - 10000	10	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	150 - 6800	16	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	100 - 4700	25	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	47 - 2200	40	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	10 - 1000	63	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	10 - 470	100	- 40	125	20	18 - 40	6.5 - 21
	EBL / EGL	33 - 100	200	- 40	125	20	25 - 40	12 - 21
<b>Aluminum Capacitors</b> AXIAL TYPE, NON POLAR Useful life 1000h/105°C	EBT	2.2 - 22	40/15~	- 40	85(105)	15	18 - 25	8 - 10
	EBT	2.2 - 10	63/23~	- 40	85(105)	15	18 - 25	8 - 10
	EBT	2.2 - 4.7	100/35~	- 40	85(105)	15	18 - 25	8 - 10



# Aluminum Capacitors

Vishay



PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> MOUNTING RING Useful life ≤ 100V: 2000h/105°C Useful life > 100V: 5000h/85°C	EGD	3300 - 22000	10	- 40	105	-10 to 50	40 - 45	16 - 30
	EGD	2200 - 22000	16	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	1500 - 15000	25	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	1000 - 10000	40	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	680 - 6800	50	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	470 - 4700	63	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	220 - 2200	100	- 40	105	-10 to 50	30 - 50	16 - 30
	EGD	100 - 680	160	- 40	85	-10 to 50	30 - 45	18 - 30
	EGD	47 - 470	250	- 40	85	-10 to 50	30 - 50	16 - 30
	EGD	33 - 330	350	- 40	85	-10 to 50	30 - 50	16 - 30
	EGD	33 - 220	385	- 40	85	-10 to 50	30 - 45	16 - 30
	EGD	22 - 220	400	- 40	85	-10 to 50	30 - 50	16 - 30
	EGD	22 - 220	450	- 40	85	-10 to 50	30 - 50	16 - 30
	EGD	15 - 150	500	- 40	85	-10 to 50	30 - 45	16 - 30
<b>Aluminum Capacitors</b> MOUNTING RING Useful life ≤ 100V: 5000h/105°C Useful life > 100V: 4000h/105°C	EGCD	2200 - 10000	16	- 40	105	-10 to 50	40 - 45	16 - 30
	EGCD	1000 - 6800	25	- 40	105	-10 to 50	30 - 45	16 - 30
	EGCD	470 - 4700	40	- 40	105	-10 to 50	30 - 45	16 - 30
	EGCD	470 - 2200	63	- 40	105	-10 to 50	40	16 - 30
	EGCD	220 - 1000	100	- 40	105	-10 to 50	40 - 50	18 - 25
	EGCD	100 - 470	160	- 40	105	-10 to 50	40 - 45	16 - 25
	EGCD	47 - 470	250	- 40	105	-10 to 50	30 - 45	16 - 30
	EGCD	47 - 220	350	- 40	105	-10 to 50	40	18 - 30
	EGCD	47 - 220	385	- 40	105	-10 to 50	40 - 45	16 - 30
	EGCD	47 - 220	400	- 40	105	-10 to 50	40 - 45	18 - 30
	EGCD	10 - 220	450	- 40	105	- 10 to 50	30 - 50	16 - 30



PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> SNAP IN TYPE Useful life: 3000h/85°C	EYN	15000 - 100000	6.3	- 40	85	20	25 - 50	22 - 40
	EYN	12000 - 100000	10	- 40	85	20	25 - 50	22 - 40
	EYN	10000 - 100000	16	- 40	85	20	25 - 60	22 - 40
	EYN	5600 - 33000	25	- 40	85	20	25 - 50	22 - 40
	EYN	4700 - 33000	35	- 40	85	20	25 - 50	22 - 40
	EYN	2200 - 27000	50	- 40	85	20	25 - 60	22 - 40
	EYN	1800 - 12000	63	- 40	85	20	25 - 50	22 - 40
	EYN	1200 - 8200	100	- 40	85	20	25 - 50	22 - 40
	EYN	220 - 1800	160	- 40	85	20	20 - 50	22 - 40
	EYN	180 - 1800	200	- 40	85	20	20 - 50	22 - 40
	EYN	150 - 1800	250	- 40	85	20	20 - 60	22 - 40
	EYN	82 - 820	350	- 40	85	20	20 - 50	22 - 40
	EYN	68 - 820	400	- 25	85	20	20 - 60	22 - 40
	EYN	56 - 680	450	- 25	85	20	20 - 60	22 - 40
	EYN	68 - 680	500	- 25	85	20	30 - 60	22 - 40
<b>Aluminum Capacitors</b> SNAP IN TYPE Useful life: 3000h/105°C	EYH	12000 - 68000	6.3	- 45	105	20	25 - 50	22 - 40
	EYH	10000 - 68000	10	- 40	105	20	25 - 50	22 - 40
	EYH	8200 - 68000	16	- 40	105	20	25 - 60	22 - 40
	EYH	2700 - 27000	25	- 40	105	20	25 - 50	22 - 40
	EYH	3300 - 27000	35	- 40	105	20	25 - 50	22 - 40
	EYH	2200 - 27000	50	- 40	105	20	25 - 60	22 - 40
	EYH	1200 - 10000	63	- 40	105	20	25 - 50	22 - 40
	EYH	820 - 6800	100	- 40	105	20	25 - 50	22 - 40
	EYH	180 - 1500	160	- 40	105	20	20 - 50	22 - 40
	EYH	150 - 1500	200	- 40	105	20	20 - 50	22 - 40
	EYH	150 - 1500	250	- 40	105	20	20 - 60	22 - 40
	EYH	68 - 680	350	- 40	105	20	20 - 50	22 - 40
	EYH	56 - 680	400	- 40	105	20	20 - 60	22 - 40
	EYH	47 - 560	450	- 25	105	20	20 - 50	22 - 40

# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> SNAP IN TYPE Useful life ≤100V: 10 to 50V 5000h/105°C 63 to 100V 10000h/105°C Useful life > 100V: 5000h/105°C	EYC	4700 - 47000	10	- 40	105	20	25 - 50	22 - 35
	EYC	3300 - 33000	16	- 40	105	20	25 - 50	22 - 35
	EYC	2200 - 22000	25	- 40	105	20	25 - 50	22 - 35
	EYC	1500 - 15000	40	- 40	105	20	25 - 50	22 - 35
	EYC	1000 - 10000	50	- 40	105	20	25 - 50	22 - 35
	EYC	680 - 6800	63	- 40	105	20	25 - 50	22 - 35
	EYC	330 - 3300	100	- 40	105	20	25 - 50	22 - 35
	EYC	330 - 1800	200	- 40	105	20	25 - 50	22 - 35
	EYC	220 - 1200	250	- 40	105	20	25 - 50	22 - 35
	EYC	68 - 680	400	- 25	105	20	25 - 60	22 - 35
	EYC	56 - 560	450	- 25	105	20	25 - 60	22 - 35
<b>Aluminum Capacitors</b> SOLDER PIN TYPE Useful life: 12000h/85°C	EYD	10000 - 150000	10	- 40	85	20	30 - 105	25 - 40
	EYD	68000 - 100000	16	- 40	85	20	30 - 105	25 - 40
	EYD	4700 - 68000	25	- 40	85	20	30 - 105	25 - 40
	EYD	3300 - 47000	40	- 40	85	20	30 - 105	25 - 40
	EYD	2200 - 22000	63	- 40	85	20	30 - 105	25 - 40
	EYD	680 - 10000	100	- 40	85	20	30 - 80	25 - 40
	EYD	150 - 2200	200	- 40	85	20	30 - 105	25 - 40
	EYD	68 - 1500	385	- 40	85	20	30 - 105	25 - 40
	EYD	68 - 1000	400	- 40	85	20	30 - 105	25 - 40
<b>Aluminum Capacitors</b> SOLDER PIN TYPE Useful life: 15000h/85°C	EYV	4700 - 68000	10	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	3300 - 47000	16	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	2200 - 33000	25	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	1500 - 22000	40	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	1000 - 15000	63	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	470 - 6800	100	- 40	85	-10 to 30	30 - 105	25 - 40
	EYV	100 - 1000	250	- 40	85	-10 to 30	30 - 80	25 - 40
	EYV	47 - 470	385	- 40	85	-10 to 30	30 - 80	25 - 40
	EYV	47 - 680	400	- 40	85	-10 to 30	30 - 105	25 - 40



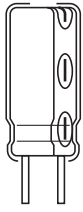
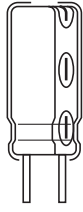
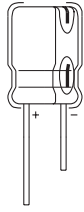
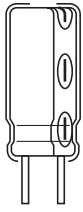
PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> SOLDER PIN TYPE Useful life: 5000h/105°C	EYZ	10000 - 150000	10	- 40	105	20	30 - 105	25 - 40
	EYZ	6800 - 100000	16	- 40	105	20	30 - 105	25 - 40
	EYZ	4700 - 68000	25	- 40	105	20	30 - 105	25 - 40
	EYZ	2200 - 33000	40	- 40	105	20	30 - 105	25 - 40
	EYZ	1000 - 15000	63	- 40	105	20	30 - 105	25 - 40
	EYZ	470 - 6800	100	- 40	105	20	30 - 105	25 - 40
	EYZ	150 - 2200	200	- 40	105	20	30 - 105	25 - 40
	EYZ	100 - 1500	250	- 40	105	20	30 - 105	25 - 40
	EYZ	68 - 1000	385	- 40	105	20	30 - 105	25 - 40
	EYZ	68 - 1000	400	- 40	105	20	30 - 105	25 - 40
<b>Aluminum Capacitors</b> SOLDER LUG TYPE Useful life: 12000h/85°C	EYK	4700 - 47000	16	- 40	85	20	40 - 105	25 - 40
	EYK	6800 - 68000	25	- 40	85	20	40 - 105	25 - 40
	EYK	4700 - 47000	40	- 40	85	20	40 - 105	25 - 40
	EYK	3300 - 22000	63	- 40	85	20	40 - 105	25 - 40
	EYK	1000 - 10000	100	- 40	85	20	40 - 105	25 - 40
<b>Aluminum Capacitors</b> SOLDER LUG TYPE Useful life: 15000h/85°C	EY	4700 - 47000	16	- 40	85	-10 to 30	40 - 105	25 - 40
	EY	3300 - 33000	25	- 40	85	-10 to 30	40 - 105	25 - 40
	EY	2200 - 22000	40	- 40	85	-10 to 30	40 - 105	25 - 40
	EY	1500 - 15000	63	- 40	85	-10 to 30	40 - 105	25 - 40
	EY	680 - 6800	100	- 40	85	-10 to 30	40 - 105	25 - 40
<b>Aluminum Capacitors</b> SCREW TERMINAL Useful life ≤100V: 12000h/85°C Useful life > 100V: 5000h/85°C	EYE	47000 - 470000	10	- 40	85	20	60 - 105	35 - 76
	EYE	33000 - 330000	16	- 40	85	20	60 - 105	35 - 76
	EYE	22000 - 22000	25	- 40	85	20	60 - 105	35 - 76
	EYE	15000 - 150000	40	- 40	85	20	60 - 105	35 - 76
	EYE	6800 - 68000	63	- 40	85	20	60 - 105	35 - 76
	EYE	3300 - 33000	100	- 40	85	20	60 - 105	35 - 76
	EYE	470 - 6800	250	- 40	85	20	60 - 105	35 - 76
	EYE	330 - 3300	350	- 40	85	20	60 - 105	35 - 76
	EYE	220 - 3300	385	- 40	85	20	60 - 105	35 - 76
	EYE	220 - 3300	400	- 40	85	20	60 - 105	35 - 76

PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (V)	TEMPERATURE RATING (°C)		TOLERANCE (± %)	DIMENSIONS (mm)	
				MIN.	MAX.		CASE LENGTH	CASE Ø
<b>Aluminum Capacitors</b> SCREW TERMINAL Useful life ≤100V: 10000h/85°C Useful life > 100V: 5000h/85°C	EYM	15000 - 330000	10	- 40	85	-10 to 30	50 - 114	35 - 76
	EYM	15000 - 330000	16	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	10000 - 220000	25	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	6800 - 150000	40	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	4700 - 100000	50	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	3300 - 68000	63	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	2200 - 47000	100	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	470 - 10000	160	- 40	85	-10 to 30	50 - 114	35 - 76
	EYM	470 - 10000	200	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	330 - 6800	250	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	220 - 4700	350	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	220 - 4700	385	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	220 - 4700	400	- 40	85	-10 to 30	50 - 144	35 - 76
	EYM	150 - 3300	450	- 40	85	-10 to 30	50 - 144	35 - 76
<b>Aluminum Capacitors</b> SCREW TERMINAL Useful life ≤385V: Useful life > 400V: 12000h/85°C	EYP	15000 - 22000	10	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	10000 - 150000	16	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	4700 - 100000	25	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	3300 - 68000	40	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	2200 - 47000	63	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	1000 - 22000	100	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	330 - 4700	250	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	220 - 3300	350	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	150 - 2200	385	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	150 - 2200	400	- 40	85	-10 to 30	60 - 105	35 - 76
	EYP	150 - 2200	450	- 40	85	-10 to 30	60 - 105	35 - 76

## TERMINATION STYLES FOR ALUMINUM CAPACITORS

<b>Radial</b> EKF, EKH, EKA, EKO, EKOU, EKB, EKS, EKSU, EKI, EKL, EKE, EKC, EKX, EKV		<b>Solder Pins</b> EGD, EGCD		<b>Solder Pins</b> EYD, EYV, EYZ		<b>Snap-in</b> EYN, EYC, EYH	
<b>Axial</b> ELM / EBM / EGM, EL / EB / EG, EBU, EBC / EGC, EBL / EGL, EBT, EBR		<b>Solder Lugs</b> EYK, EY		<b>Screw Terminals</b> EYE, EYM, EYP			
<b>S.M.D.</b> ECA, ECV, ECB							

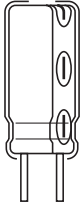
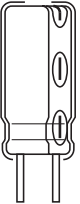


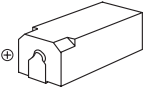
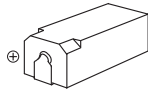
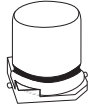
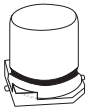
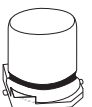
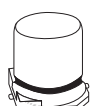
PRODUCT DESCRIPTION	TYPE	CASE CODE	RATED VOLTAGE (V)	NOMINAL CAPACITANCE (μF)	RIPPLE CURRENT	LEAKAGE CURRENT	TANGENT OF LOSS	MAX. ESR 100K-300kHz
<b>Aluminum Capacitors</b> Radial Type Large Capacitance, Miniaturized Solid Electrolyte 	94SA	C	20 - 6.3	15 - 47	1200 - 1430	6 - 5.92	0.06 - 0.07	90 - 60
	94SA	D	20 - 10	33 - 68	1710 - 2000	13.2 - 13.6	0.06 - 0.07	70 - 50
	94SA	E	20 - 6.3	47 - 150	2450 - 2780	18.8 - 18.9	0.06 - 0.07	40 - 30
	94SA	F	20 - 6.3	100 - 330	3210 - 3500	40 - 41.58	0.06 - 0.07	30 - 25
	94SA	G	16	470	6080	300.8	0.08	20
	94SA	H	16 - 6.3	1000 - 2200	9750 - 9750	640 - 554.4	0.09 - 0.13	15 - 15
<b>Aluminum Capacitors</b> Radial Type Standard Solid Electrolyte 	94SC	A	30 - 6.3	1 - 6.8	430 - 560	1 - 0.5	0.03 - 0.05	350 - 250
	94SC	B	30 - 6.3	1.5 - 15	435 - 815	1 - 0.95	0.03 - 0.05	300 - 120
	94SC	C	30 - 6.3	3.3 - 33	820 - 1320	1.98 - 2.08	0.03 - 0.05	200 - 70
	94SC	D	30 - 10	4.7 - 47	1300 - 2020	2.82 - 4.7	0.04 - 0.06	120 - 60
	94SC	E	30 - 25	10 - 22	1380 - 2330	6 - 5.5	0.06 - 0.06	110 - 40
	94SC	F	25 - 30	33 - 22	2900 - 1830	8.25 - 13.2	0.06 - 0.06	35 - 80
<b>Aluminum Capacitors</b> Radial Type Low Profile, 5 mm Solid Electrolyte 	94SL	A	25 - 6.3	1 - 6.8	430 - 560	0.50 - 0.86	0.05 - 0.06	450 - 350
	94SL	B	25 - 6.3	2.2 - 15	695 - 815	1.10 - 1.89	0.05 - 0.06	250 - 120
	94SL	C	25 - 10	4.7 - 47	1130 - 1430	2.35 - 9.4	0.06 - 0.06	100 - 70
	94SL	E	25 - 4	15 - 150	1400 - 2000	7.50 - 12	0.07 - 0.07	75 - 60
	94SL	F	25 - 4	22 - 220	1600 - 2400	11.00 - 17.6	0.07 - 0.07	70 - 55
<b>Aluminum Capacitors</b> Radial Type Long Life Solid Electrolyte 	94SH	A	25 - 6.3	1 - 6.8	430 - 560	0.5 - 0.86	0.03 - 0.05	350 - 250
	94SH	B	25 - 6.3	2.2 - 15	695 - 815	1.1 - 1.89	0.03 - 0.05	200 - 120
	94SH	C	25 - 6.3	4.7 - 47	1130 - 1430	2.35 - 5.92	0.03 - 0.07	100 - 60
	94SH	D	25 - 10	15 - 68	1650 - 2000	7.5 - 13.6	0.04 - 0.07	70 - 50
	94SH	E	20 - 6.3	47 - 150	2450 - 2780	18.8 - 18.9	0.06 - 0.07	40 - 30
	94SH	F	20 - 6.3	100 - 330	3210 - 3500	40 - 41.58	0.06 - 0.07	30 - 25

# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	CASE CODE	RATED VOLTAGE (V)	NOMINAL CAPACITANCE (μF)	RIPPLE CURRENT	LEAKAGE CURRENT	TANGENT OF LOSS	MAX. ESR 100K-300kHz
<b>Aluminum Capacitors</b> Radial Type Miniaturized Solid Electrolyte  	94SS	A	20 - 6.3	2.2 - 15	450 - 560	2.2 - 4.73	0.05 - 0.06	400 - 350
	94SS	B	20 - 6.3	4.7 - 33	720 - 780	4.7 - 10.4	0.05 - 0.05	250 - 150
	94SS	C	20 - 4	10 - 68	1150 - 1430	10 - 13.6	0.06 - 0.06	100 - 70
	94SS	D	20 - 4	47 - 150	1830 - 2100	47 - 30	0.06 - 0.08	60 - 40
	94SS	E	20 - 6.3	100 - 220	2740 - 3000	100 - 69.3	0.07 - 0.07	30 - 30
	94SS	F	20 - 4	150 - 470	3200 - 3500	150 - 94	0.07 - 0.07	30 - 25
<b>Aluminum Capacitors</b> Radial Type Large Capacitance, Low ESR Solid Electrolyte  	94SP	C'	20 - 4	22 - 100	1580 - 1850	44 - 40	0.06 - 0.06	50 - 40
	94SP	E'	20 - 4	47 - 220	2210 - 2510	94 - 88	0.07 - 0.07	36 - 28
	94SP	F'	20 - 4	68 - 330	2800 - 3230	136 - 132	0.07 - 0.07	34 - 24
	94SP	C	20 - 4	33 - 120	1710 - 1930	66 - 48	0.07 - 0.07	45 - 35
	94SP	E	20 - 4	120 - 560	3110 - 4080	200 - 224	0.08 - 0.08	24 - 14
	94SP	F	20 - 4	180 - 820	4280 - 5040	360 - 328	0.08 - 0.08	20 - 12
	94SP	F <sub>0</sub>	4	1500	6500	600	0.10	10
	94SP	G	4	2200	7100	880	0.12	10
<b>Aluminum Capacitors</b> Miniature, Solvent Resistant construction (through 100 WVDC)	515D		0.1 - 18,000	± 20%	6.3 - 450			Termination: 2 radial leads High CV per case size Low profile ratings
	516D		0.47 - 10,000	± 20%	6.3 - 450			Termination: 2 axial leads High CV per case size
	517D		0.47 - 15,000	± 20%	6.3 - 250			Termination: 2 radial leads High CV per case size High temperature operation to 105°

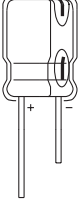
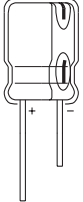


PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> SMD Horizontal Standard 	<b>085 CS</b>	-40/+85	1500	6.3	10 - 22
10				6.8 - 15	
16				4.7 - 10	
25				3.3 - 6.8	
40				2.2 - 4.7	
63				0.47 - 3.3	
<b>Aluminum Capacitors</b> SMD Horizontal Long life 	<b>139 CLL</b>	-55/+105°C	2000	6.3	100 - 220
10				68 - 150	
16				47 - 100	
25				10 - 47	
40				15 - 33	
50				10 - 22	
63				2.2 - 10	
100	1.0 - 4.7				
<b>Aluminum Capacitors</b> SMD Vertical Long life 	<b>153 CLV</b>	-55/+105°C	2000 to 3000	6.3	22 - 1000
10				33 - 680	
16				10 - 470	
25				33 - 330	
35				4.7 - 220	
50				0.47 - 100	
63				47 - 100	
100	10 - 33				
<b>Aluminum Capacitors</b> SMD Vertical Very low impedance 	<b>150 CLZ</b>	-55/+105°C	2500 to 3000	6.3	470 - 1000
10				330 - 1000	
16				220 - 680	
25				150 - 470	
35				100 - 330	
50				68 - 220	
63				33 - 100	
<b>Aluminum Capacitors</b> SMD Vertical High temperature 	<b>140 CLH</b>	-55/+125°C	1500	6.3	330 - 680
10				220 - 470	
16				150 - 330	
25				100 - 220	
35				68 - 150	
50				47 - 100	
63	22 - 68				
<b>Aluminum Capacitors</b> SMD Vertical High temperature Solid electrolytic 	<b>175 TMP</b>	-55/+125°C	20000	4.0	68 - 330
6.3				33 - 220	
10				15 - 150	
16				10 - 100	
20				6.8 - 68	
25		1.0 - 47			
-55/+175°C		2000	4.0	68 - 330	
			6.3	33 - 220	
			10	15 - 150	
			16	1.0 - 100	

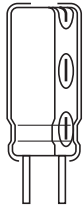


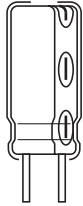


# Aluminum Capacitors

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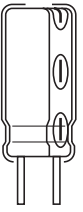
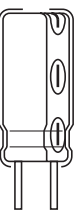
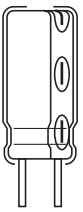
PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Radial low profile 5mm 	<b>134 RLP 5</b>	-40/+85	1500	6.3	22 - 100
10				33	
16				10 - 47	
25				3.3 - 33	
35				2.2 - 22	
50				1.0 - 10	
<b>Aluminum Capacitors</b> Radial low profile 7mm 	<b>097 RLP 7</b>	-40/+85	1500	6.3	22 - 220
10				33 - 100	
16				10 - 100	
25				33 - 47	
35				4.7 - 33	
50				3.3 - 22	
<b>Aluminum Capacitors</b> Radial Standard ultra miniature 	<b>038 RSU</b>	-40/+85	2500 to 3500	6.3	220 - 22000
				10	100 - 10000
				16	100 - 10000
				25	100 - 6800
				35	47 - 4700
				50	22 - 3300
<b>Aluminum Capacitors</b> Radial Standard miniature 	<b>037 RSM</b>	-40/+85	2500	6.3	330 - 10000
				10	100 - 6800
				16	68 - 4700
				25	47 - 3300
				35	33 - 2200
				40	150 - 1000
				50	10 - 1000
				63	0.47 - 1000
100	0.47 - 470				

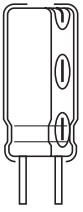
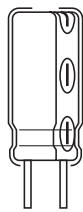
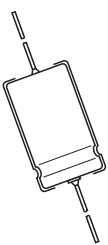

PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (μF)
<b>Aluminum Capacitors</b> Radial Standard high voltage 	<b>044 RSH</b>	-40/+85	3000	160	10 - 100
200				4.7 - 100	
250				1.0 - 47	
350				2.2 - 47	
400				1.0 - 22	
-25/+85				450	1.0 - 22
<b>Aluminum Capacitors</b> Radial Low Leakage Current 	<b>013 RLC</b>	-40/+85(105)	3000 (750)	6.3	330 - 470
10				47 - 220	
16				33 - 100	
25				1.0 - 47	
35				33 - 100	
50				0.47 - 68	
<b>Aluminum Capacitors</b> Radial Semi-professional 	<b>036 RSP</b>	-55/+85(105)	3000 (750)	6.3	100 - 330
10				47 - 470	
16				33 - 330	
25				68 - 220	
35				22 - 150	
40				15 - 68	
50				10 - 100	
63				0.47 - 68	
100	10 - 22				
160	2.2 - 4.7				
<b>Aluminum Capacitors</b> Radial Ultra high CV 	<b>148 RUS</b>	-40/+105	2000 to 3000	6.3	2200 - 22000
10				1000 - 15000	
16				680 - 10000	
25				470 - 6800	
35				330 - 4700	
50				220 - 3300	
63				100 - 2200	
100	47 - 470				

# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Radial Long life 	<b>116 RLL</b>	-55/+105	2000	6.3 10 16 25 35 40 50 63 100	150 -470 100 -330 68 -220 47 -150 33 -100 33 -100 0.47 - 68 10 - 22 2.2 - 10
<b>Aluminum Capacitors</b> Radial Miniature long life 	<b>048 RML</b>	-40/+105	3000 to 4000	6.3 10 16 25 35 40 50 63	6800 - 10000 1000 - 10000 470 - 10000 470 - 4700 220 - 4700 2200 - 3300 220 - 3300 100 - 2200
<b>Aluminum Capacitors</b> Radial Miniature high voltage 	<b>152 RMH</b>	-40/+105	3000 to 4000	200 250 400 450	10 - 220 10 - 100 4.7 - 100 4.7 - 47
<b>Aluminum Capacitors</b> Radial Very low impedance 	<b>136 RVI</b>	-55/+105	4000 to 10000	10 16 25 35 50 63 100	390 - 10000 270 - 6800 180 - 4700 120 - 3300 82 - 2200 47 - 1500 22 - 680

PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Radial Miniature Low impedance 	<b>150 RMI</b>	-55/+105	4000 to 10000	10	680 - 6800
16				470 - 6800	
25				330 - 4700	
35				220 - 2200	
50				150 - 1500	
63				100 - 1000	
<b>Aluminum Capacitors</b> Radial Miniature High temperature 	<b>140 RTM</b>	-55/+125	2500 to 4000	6.3	1200 - 2200
10				330 - 4700	
16				220 - 4700	
25				220 - 3300	
35				100 - 2200	
50				47 - 1000	
63	22 - 1000				
<b>Aluminum Capacitors</b> Axial Ultra miniature diameter 3.3mm 	<b>117 ASD</b>	-40/+85	2000	6.3	10 - 22
10				6.8	
16				4.7 - 10	
25				3.3 - 6.8	
40				2.2 - 4.7	
63				0.47 - 3.3	
<b>Aluminum Capacitors</b> Axial Standard 	<b>021 ASM</b>	-40/+85(105)	2500-8000	6.3	470-2200
10				100-15000	
16				68-10000	
25				47-6800	
40				22-4700	
63				0.47-2200	
100	1-1000				

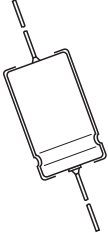
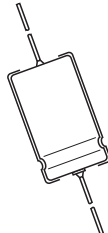

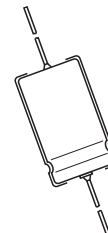
# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Axial Standard  	<b>024 AMR</b>	-40/+105	4500	6.3	3300-47000
				10	2200-47000
				16	2200-33000
				25	1000-22000
				40	680-15000
				50	680-10000
				63	330-6800
				100	220-3300
	<b>025 AMR</b>	-40/+85	3000	160	100-1000
				200	100-1000
				250	47-680
				350	33-330
				385	22-330
				400	22-330
				450	22-220
	<b>030/031 AS</b>	-40/+85	11500-3000	6.3	10 - 1000
				10	47 - 680
				16	4.7 - 470
				25	10 - 330
				40	2.2 - 220
				63	1.0 - 100
				100	0.47 - 47
	<b>022 ASR</b>	-40/+105	2000	6.3	2200-33000
				10	1500-22000
				16	1500-22000
				25	680-15000
				40	470-10000
				50	330-6800
63				220-4700	
<b>023 ASR</b>	-40/+85	5000	100	100-2200	
			160	47-680	
			250	22-470	
			350	47-330	
			385	10-220	
			400	15-220	
<b>041-043 ASH</b>	-40/+85	5000-15000	450	10-220	
			500	10-150	
			160	4.7-220	
	-25/+85	5000-10000	250	2.2-100	
			350	4.7-68	
			385	1-68	
			400	6.8-68	
			450	6.8-68	

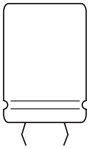
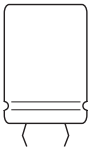
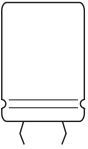



PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Axial Lighting ballast 	<b>042/043 AMH-ELB</b>	-25/+85	20000	450	6,8-33
	<b>042/043 AHH-ELB</b>	-25/+105	10000	450	6,8-33
<b>Aluminum Capacitors</b> Axial Standard 	<b>138 AML</b>	-40/+105	2000-10000	6.3	100-2200
				10	150-15000
	<b>118 AHT</b>	-55(-40)/+125	4000-8000	16	22-10000
				25	10-6800
				40	33-3300
				50	10-100
				63	4.7-1500
				100	1-680
				6.3	1000-15000
				10	220-10000
				16	220-6800
				25	100-4700
				40	47-2200
				63	1-1000
				100	4.7-470
				200	2.2-100
<b>Aluminum Capacitors</b> Axial Standardized Case Sizes 	<b>119 AHT-DIN</b>	-55/+125	4000-8000	10	100-4700
				16	47-4700
				25	22-2200
				40	47-2200
				63	10-1000
				100	4.7-470
				200	4.7-10
<b>Aluminum Capacitors</b> Axial Automotive Low Impedance 	<b>120 ATC</b>	-40/+125	8000	16	680-6800
				25	470-4700
				40	220-1000
				63	100-1000
				100	47-470

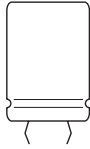
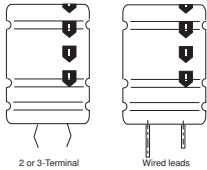
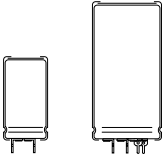
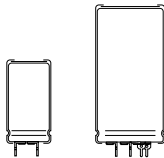
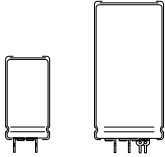
# Aluminum Capacitors

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PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Snap in High CV / volume 	156 PUM-SI	-40/+85	5000	10	10000-100000
				16	6800-68000
				25	4700-47000
				40	2700-27000
				50	2200-22000
				63	1500-15000
				80	1000-12000
	100	680-8200			
	157 PUM-SI	-40/+85	5000	200	270-2200
				250	220-1500
400				68-820	
450	56-680				
<b>Aluminum Capacitors</b> Snap in High ripple current 	198 PHR-SI	-25/+85	15000	400	56-680
				450	56-680
				400	56-680
				450	56-680
<b>Aluminum Capacitors</b> Snap in Standard 	056/057 PSM-SI	-40/+85	12000	10	6800-68000
				16	4700-47000
				25	3300-33000
				40	2200-22000
				50	1500-15000
				63	1000-10000
				100	470-47000
				200	150-1500
				250	100-1000
	385	47-470			
	400	47-470			
	450	47-330			
	197 PGP-SI	-25/+85	2000	160	150-1800
				200	150-1500
				250	150-1200
400				68-680	
450				56-470	
450				56-470	
<b>Aluminum Capacitors</b> Snap in High CV / volume 	158 PUL-SI	-40/+105	5000	16	5600-47000
				25	3700-33000
				40	2200-18000
				50	1500-12000
				63	1200-10000
				80	820-6800
				100	560-4700
	159 PUL-SI	-40/+105	5000	200	330-1800
				250	220-1200
				400	68-680
450	56-560				



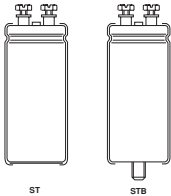
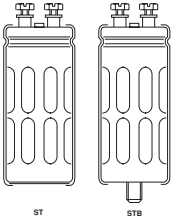
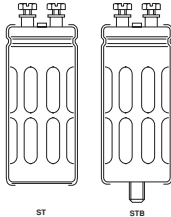
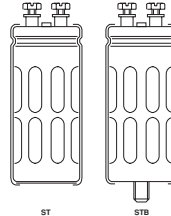
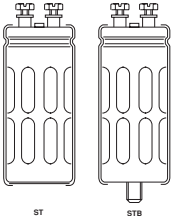
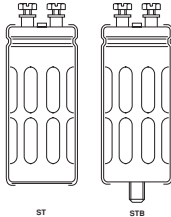
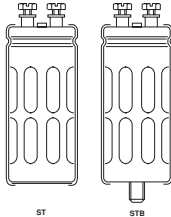
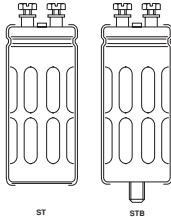
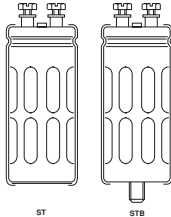
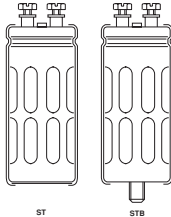
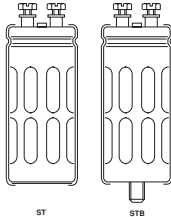
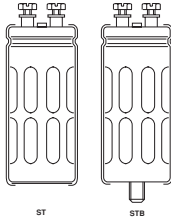
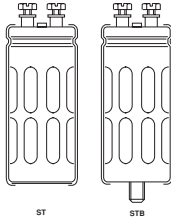
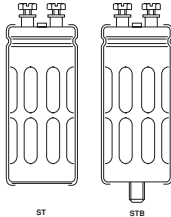
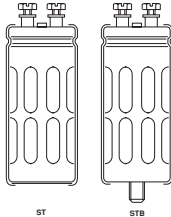
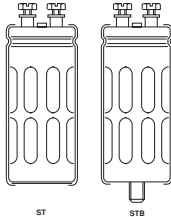
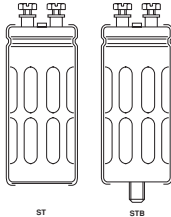
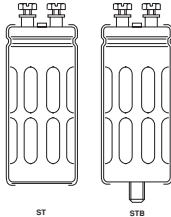
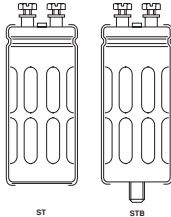
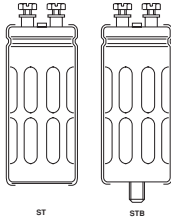
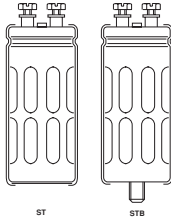
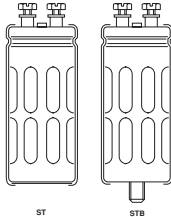
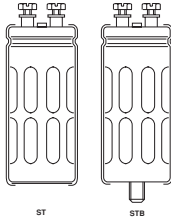
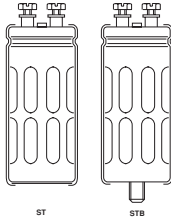
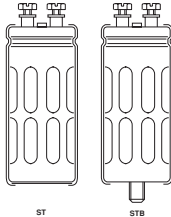
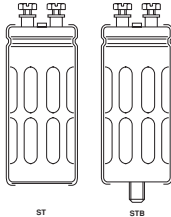
PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)	
<b>Aluminum Capacitors</b> Snap in Standard 	<b>058/059 PLL-SI</b>	-40/+105	5000	10 16 25 40 50 63 100	4700-47000 3300-33000 2200-22000 1500-15000 1000-10000 680-6800 330-3300	
		-40/+105	10000	200 250 385 400	100-1000 68-680 33-330 47-330	
<b>Aluminum Capacitors</b> Snap in Automotive Low Impedance 	<b>100 PTR-SI</b>	-40/+125	5000	25	2200-10000	
				40	1500-6800	
				50 63	1200-5600 680-2700	
<b>Aluminum Capacitors</b> DIN-PW Standard 	<b>050/052 PED-PW</b>	-40/+85	15000	10 16 25 40 63 100 250 385 400	4700-68000 3300-47000 2200-33000 1500-22000 1000-15000 470-6800 100-1000 47-470 47-680	
<b>Aluminum Capacitors</b> DIN-PW High CV / volume 				10 16 25 40 63 100 200 385 400	10000-150000 6800-100000 4700-68000 3300-47000 2200-22000 680-10000 150-2200 68-1000 68-1000	
				<b>Aluminum Capacitors</b> DIN-PW Standard 	10 16 25 40 63 100 200 250 385 400	10000-150000 6800-100000 4700-68000 2200-33000 1500-15000 470-6800 150-2200 100-1500 68-1000 68-1000

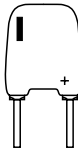
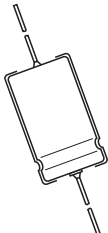
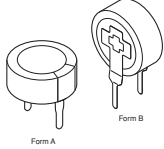


# Aluminum Capacitors

Vishay



PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Screw terminal Standard  	111/112 PER-ST	-40/+85	10000	10	22000-330000
				16	22000-330000
	154/155 PEC-ST	-40/+85	12000	25	15000-220000
				40	10000-150000
<b>Aluminum Capacitors</b> Screw terminal High ripple current  	114/115 PED-ST	-40/+85	20000	50	6800-100000
				63	4700-68000
<b>Aluminum Capacitors</b> Screw terminal Standard  	105 PLL-ST	-40/+105	5000	100	3300-47000
				160	680-10000
	154/155 PEC-ST	-40/+85	5000	200	470-10000
				250	470-6800
	114/115 PED-ST	-40/+85	12000	350	330-4700
				385	330-4700
	114/115 PED-ST	-40/+85	12000	400	220-3300
				450	220-3300
	114/115 PED-ST	-40/+85	12000	400	220-6800
				450	220-4700
	114/115 PED-ST	-40/+85	12000	10	47000-680000
				16	33000-470000
	114/115 PED-ST	-40/+85	12000	25	22000-330000
				40	15000-220000
	114/115 PED-ST	-40/+85	12000	63	6800-100000
				100	3300-47000
	114/115 PED-ST	-40/+85	12000	250	1000-22000
				350	330-4700
	114/115 PED-ST	-40/+85	12000	385	220-3300
				400	150-2200
	114/115 PED-ST	-40/+85	12000	400	150-2200
				450	150-2200
	114/115 PED-ST	-40/+85	12000	10	15000-220000
				16	10000-150000
	114/115 PED-ST	-40/+85	12000	25	4700-100000
				40	3300-68000
	114/115 PED-ST	-40/+85	12000	63	2200-47000
				100	1000-22000
	114/115 PED-ST	-40/+85	12000	250	330-4700
				350	220-3300
	114/115 PED-ST	-40/+85	12000	385	150-2200
				400	150-2200
	114/115 PED-ST	-40/+85	12000	400	150-2200
				450	150-2200
	114/115 PED-ST	-40/+85	12000	10	47000-680000
				16	33000-470000
	114/115 PED-ST	-40/+85	12000	25	22000-330000
				40	15000-220000
	114/115 PED-ST	-40/+85	12000	63	6800-100000
				100	3300-47000
	114/115 PED-ST	-40/+85	12000	250	1000-22000
				350	330-4700
	114/115 PED-ST	-40/+85	12000	385	220-3300
				400	150-2200
	114/115 PED-ST	-40/+85	12000	400	150-2200
				450	150-2200

PRODUCT DESCRIPTION	TYPE	TEMPERATURE RANGE (°C)	USEFUL LIFE (HOURS)	VOLTAGE (V)	CAPACITANCE RANGE (µF)
<b>Aluminum Capacitors</b> Solid 	<b>128 SAL-RPM</b>	-55/+125	20000	6.3	10-68
				10	4.7-47
				16	2.2-22
				25	0.68-10
				35	0.33-3.3
				40	0.1-2.2
<b>Aluminum Capacitors</b> Solid 	<b>123 SAL-A</b>	-55/+125	20000	6.3	47-1500
				10	33-1000
				16	10-680
				25	10-330
				35	1-150
				40	2.2-100
<b>Aluminum Capacitors</b> Energy Storage (Double Layer) 	<b>196 DLC</b>	-25/+70	1000	5.5	0.047 - 1.0
				6.3	0.047 - 0.68
				5.5	0,047 - 0.68
		-25/+85	1000	5.5	0,047 - 0.68