

# SERIES OF CAPACITORS

## ALUMINUM ELECTROLYTIC CAPACITORS

Classification	Series	Features · Application	Standard Type	Miniature Sized	Low Impedance	Long Life	Temperature Range (°C)	Load Life (Hour)	Capacitance Range (µF)	Rated Voltage Range (V.D.C.)	
Aluminum solid electrolytic capacitor with Conductive polymer	PS	Radial type, Low E.S.R.		●	●		-55~+105	2000	100~1200	2.5~16	
	PT	Radial type, Super low E.S.R.			●		-55~+105	2000	100~2700	2.5~16	
	PH	8mmL, Super low E.S.R.			●		-55~+105	2000	33~1000	2.5~25	
	PC	Chip type, Low E.S.R.		●	●		-55~+105	2000	18~820	2.5~16	
	PF	Chip type, Super low E.S.R.			●		-55~+105	2000	18~2200	2.5~16	
CHIP	Surface Mounting Device	CS	5.4mmL, General purpose	●	●		-40~+85	2000	0.1~220	4~50	
		CA	Low leakage current	●	●		-40~+85	2000	0.1~100	6.3~50	
		CN	Bi-polar	●	●		-40~+85	1000	0.1~47	6.3~50	
		CR	Higher capacitance	●			-40~+85	2000	3.3~1500	4~100	
		CT	Wide temperature range	●	●		-55~+105	1000	0.1~1500	6.3~50	
		CE	5.4mmL, Low leakage current	●			-40~+105	1000	0.1~100	6.3~50	
		CP	5.4mmL, Bi-polar	●			-55~+105	1000	0.1~47	6.3~50	
		CH	Wide temperature range, long life	●		●	-55~+105	2000	0.1~470	4~50	
		CL	5.4mmL, Low impedance		●	●		-55~+105	1000	1~100	6.3~50
		CF	Super low impedance		●	●	●	-55~+105	1000~2000	1~1500	6.3~50
		CK	Higher ripple & Lower E.S.R.			●		-55~+105	1000~2000	4.7~1500	6.3~50
		CZ	Low impedance, Long life			●	●	-40~+105	3000	10~1000	6.3~50
CB	High temperature 125°C		●			-40~+125	2000	10~330	10~50		
RADIAL	Miniature Size	SV	5mmL, General purpose		●		-40~+85	1000	0.1~330	4~50	
		ST	5mmL, Wide temperature range		●		-55~+105	1000	0.1~100	4~50	
		NT	5mmL, Bi-polar		●		-40~+85	1000	0.1~47	6.3~50	
		SS	7mmL, General purpose		●		-40~+85	1000	0.1~330	4~63	
		SH	7mmL, Wide temperature range	●	●		-55~+105	1000	0.1~220	6.3~50	
		SL	7mmL, Low impedance		●	●		-55~+105	1000	4.7~220	6.3~50
		NS	7mmL, Bi-polar		●		-40~+85	1000	0.1~100	6.3~50	
	Standard	SK	General purpose	●			-40~+85	2000	0.47~22000	6.3~450	
		SM	Miniature sized		●		-40~+85	1000	10~22000	6.3~100	
		TK	Wide temperature range	●			-55~+105	2000	0.1~33000	6.3~450	
		TM	High reliability, Wide temperature range			●	-40~+105	2000	0.47~15000	6.3~450	
		NK	Bi-polar	●			-40~+85	2000	0.47~6800	6.3~100	
		LK	Low leakage current	●			-40~+85	2000	0.1~1000	10~63	
	Low Impedance	MZ	Low E.S.R. High ripple current		●	●		-40~+105	2000	470~4700	6.3~25
		TB	Low impedance, long life			●	●	-40~+105	4000~10000	0.47~15000	6.3~100
		WL	Low impedance, miniature sized		●	●		-55~+105	1000~2000	0.47~10000	6.3~50
		WG	Low impedance, high ripple current	●	●	●		-55~+105	2000~3000	47~4700	10~100
		TL	Low impedance, high reliability			●	●	-40~+105	2000~5000	10~5600	6.3~63
		TZ	Low impedance, high reliability			●	●	-55~+105	2000~5000	4.7~15000	6.3~63
		TH	Low impedance, high voltage			●	●	-40~+105	2000~3000	2.2~220	160~450
		TX	Low impedance, high voltage, long life			●	●	-40~+105	5000	3.3~330	160~450
TF	High ripple current, high voltage, long life			●		-40~+105	8000~10000	6.8~220	160~450		
Special Equipment	WB	High temperature, 125°C	●				-25~+125	1000~2000	0.47~1000	10~63	
	UK	Bi-polar, for horizontal deflection equalization	●				-40~+85	2000	2.2~18	25~50	
	NC	Bi-polar, for twinkling light	●				-40~+85	1000	1500~2200	13	
	RV	No spark with DC overvoltage		●			-25~+105	2000	22~220	200~400	

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L A R G E  C A N	Snap-in Terminal	LP	General purpose	●				-40~+85	2000	47~68000	10~450	
		HP	Wide temperature range	●			●	-40~+105	2000	47~15000	16~400	
		LS	Low profile		●				-40~+85	2000	82~33000	16~500
		HS	Low profile, wide temperature range		●		●		-40~+105	2000	47~33000	16~500
		HM	Small case than HS		●				-25~+105	2000	68~3300	160~450
		LT	Long life, high ripple current				●		-40~+85	3000	82~33000	16~450
		LL	Long life, high voltage, high ripple current				●		-40~+85	5000	47~2200	160~450
		HT	Long life, wide temperature range				●		-40~+105	3000	47~33000	16~450
		HV	No sparks with DC overvoltage				●		-25~+105	3000	68~1500	200~400
		HL	Long life 5000hrs. wide temperature range			●	●		-40~+105	5000	47~1800	200~450
	HF	High voltage, long life				●		-40~+105	7000	47~2200	160~450	
	HX	High voltage, long life 10000hrs				●		-40~+105	10000	39~1500	200~450	
	Screw Terminal	KP	High ripple current	●					-40~+85	2000	270~680000	6.3~450
		MP	High voltage, high reliability				●		-40~+85	5000	1000~18000	350~450
		RP	High ripple, wide temperature range	●					-40~+105	2000	1000~330000	10~450
XP		Long life 5000hrs. high reliability			●	●		-40~+105	5000	680~33000	200~450	