

CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

Series		Page	Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Resin-Molded Surface Mount Type	PMA <small>(New!)</small>	2-12	Super low ESR, low profile		●	●				—	105°C 5,000 hours	16 to 25
	PXT <small>(New!)</small>	2-14	Super low ESR, high ripple current, high moisture resistance		●	●	●			SMD	105°C 15,000 hours	2.5 to 16
Surface Mount Type	PXJ	2-16	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 15,000 hours	2.5 to 25
	PXG	2-18	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	16 to 25
	PXK	2-20	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 16
	PXS	2-22	Super low ESR, high ripple current		●	●	●			SMD	105°C 20,000 hours	4 to 16
	PXF	2-24	Super low ESR, high ripple current		●	●	●			SMD	105°C 3,000 to 15,000 hours	2 to 10
	PXE	2-26	Super low ESR, high ripple current		●	●	●			SMD	105°C 15,000 hours	2.5 to 16
	PXA	2-28	Super low ESR, high ripple current	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 25
	PXD	2-30	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 2,000 hours	2.5 to 10
PXH	2-32	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 1,000 hours	2.5 to 20	
Radial Lead Type	PSJ	2-34	Super low ESR, high ripple current, downsized		●	●				Radial	105°C 2,000 to 5,000 hours	2.5
	PSG <small>(Upgrade!)</small>	2-36	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 to 20,000 hours	16 to 35
	PSK	2-38	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSF	2-40	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2 to 16
	PSE	2-42	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSC	2-44	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 hours	2.5 to 16
	PSA	—	Super low ESR, high ripple current (Ask Engineering Bulletin No.721 in detail)		●	●	●			Radial	105°C 15,000 hours	2.5 to 16
	PS	—	Super low ESR, high ripple current (Ask Engineering Bulletin No.711 in detail)		●	●	●			Radial	105°C 15,000 hours	2.5 to 35

CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

Series		Page	Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
Surface Mount Type	HXE <small>(New!)</small>	—	135°C, super low ESR, high ripple current (Ask Engineering Bulletin No.867 in detail)			●	●	●	●	SMD	135°C 2,000 to 4,000 hours +R	16 to 35
	HXC	3-8	125°C, super low ESR, high ripple current	●		●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	HXD	3-10	Super low ESR, high ripple current	●		●	●	●	●	SMD	105°C 5,000 hours +R	16 to 63
	HXA	3-12	125°C, super low ESR, high ripple current			●	●	●	●	SMD	125°C 4,000 hours +R	16 to 80
	HXB	3-14	Super low ESR, high ripple current			●	●	●	●	SMD	105°C 5,000 hours +R	16 to 80
Radial Lead Type	HSE <small>(New!)</small>	—	135°C, super low ESR, high ripple current (Ask Engineering Bulletin No.872 in detail)			●	●	●	●	Radial	135°C 4,000 hours +R	25 to 63
	HSC	3-16	125°C, super low ESR, high ripple current	●		●	●	●	●	Radial	125°C 4,000 hours +R	25 to 63
	HSD	3-18	Super low ESR, high ripple current	●		●	●	●	●	Radial	105°C 5,000 hours +R	25 to 63

ALUMINUM ELECTROLYTIC CAPACITORS

Series		Page	Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})	
Surface Mount Type	General Purpose	MVA	4-8	85°C, standard	●	●				SMD	85°C 2,000 hours	4 to 450	
		MVE	4-10	105°C, standard	●	●			●	SMD	105°C 1,000 to 2,000 hours	6.3 to 450	
	Low Impedance	MZR <small>(Upgrade!)</small>	4-12	Super low ESR, downsized		●	●	●		●	SMD	105°C 2,000 hours	6.3 to 50
		MZJ	4-14	Super low ESR		●	●	●		●	SMD	105°C 2,000 hours	6.3 to 35
		MZA	4-16	Super low impedance, Case size 4 to 18mm		●	●	●		●	SMD	105°C 2,000 to 5,000 hours	6.3 to 100
		MVY	4-18	Low impedance, standard, Case size 4 to 18mm	●		●	●		●	SMD	105°C 1,000 to 5,000 hours	6.3 to 100
		MZF	4-20	10,000 hours, Long life, low impedance			●	●	●		SMD	105°C 10,000 hours	6.3 to 50
		MZE	4-22	7,000/8,000 hours, Long life, low impedance			●	●	●		SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		MZK	4-24	5,000 hours, Long life, low impedance			●	●	●		SMD	105°C 5,000 hours	6.3 to 35
		MLA	4-26	3,000 hours, Long life, low impedance			●	●	●		SMD	105°C 3,000 hours	6.3 to 50
	Long Life	MLF	4-28	10,000 hours, Long life				●	●		SMD	105°C 10,000 hours	6.3 to 50
		MLE	4-30	7,000/8,000 hours, Long life				●	●		SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		MLK	4-32	5,000 hours, Long life		●		●	●		SMD	105°C 5,000 hours	6.3 to 35
		MVL	4-33	3,000/5,000 hours, Long life				●	●		SMD	105°C 3,000 to 5,000 hours	6.3 to 50
		MVJ	4-35	2,000 hours, Long life				●	●		SMD	105°C 2,000 hours	6.3 to 50
	Special Application	MHS <small>(New!)</small>	4-36	125°C, High temperature reflow soldering(3times)		●		●	●	●	SMD	125°C 5,000 hours	16 to 100
		MVH	4-38	125°C, Case size 6.3 to 18mm	●			●	●	●	SMD	125°C 1,000 to 5,000 hours	10 to 450
		MHL	4-40	125°C, Downsized				●	●	●	SMD	125°C 2,000 to 4,000 hours	10 to 35
		MHB	4-42	125°C, Specified ESR after endurance Case size 8 to 18mm				●	●	●	SMD	125°C 1,500 to 3,000 hours	10 to 100
		MHJ	4-44	125°C, Specified ESR after endurance				●	●	●	SMD	125°C 2,000 to 3,000 hours	10 to 35
MHK		4-46	125°C, Specified ESR after endurance				●	●	●	SMD	125°C 2,000 hours	35	
MKB		4-48	Specified ESR at low temperature							SMD	105°C 3,000 hours	400	
MV-BP		—	Bi-polar (Ask Engineering Bulletin No.624 in detail)		●					SMD	85°C 2,000 hours	6.3 to 50	
MVK-BP	—	Bi-polar (Ask Engineering Bulletin No.624 in detail)		●					SMD	105°C 1,000 hours	6.3 to 50		

■ : Recommendation products

AEC-Q200 : AEC-Q200 compliant. Please contact your local Chemi-Con office for more details, test data, information and also non indicated products.

ALUMINUM ELECTROLYTIC CAPACITORS

Series	Page	Features	Standard Type	Miniaturization	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
			Low profile type								
Low Profile	SRM	5-2	85°C, 5mm height, standard	●	●				Radial	85°C 1,000 hours	4 to 50
	SRE	—	85°C, 5mm height (Ask Engineering Bulletin No.524 in detail)		●				Radial	85°C 1,000 hours	4 to 50
	KRE	5-3	105°C, 5mm height, standard	●	●				Radial	105°C 1,000 hours	6.3 to 50
	SRA	—	85°C, 7mm height (Ask Engineering Bulletin No.524 in detail)		●				Radial	85°C 1,000 hours	4 to 63
	KMA	5-4	105°C, 7mm height, standard	●	●				Radial	105°C 1,000 hours	4 to 63
	SRG	5-5	φ 4×7 to φ 18×25mm, low profile		●				Radial	85°C 1,000 to 2,000 hours	4 to 50
General Purpose	KRG	5-7	φ 4×7 to φ 18×25mm, low profile		●				Radial	105°C 1,000 hours	6.3 to 50
	SMQ	5-9	85°C, Downsized		●				Radial	85°C 2,000 hours	6.3 to 450
	KMQ	5-12	105°C, Downsized		●				Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
	SMG	5-15	85°C, standard	●	●				Radial	85°C 2,000 hours	6.3 to 450
	KMG	5-18	105°C, standard	●	●				Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
	SME-BP	—	Bi-polar, downsized (Ask Engineering Bulletin No.865 in detail)		●				Radial	85°C 2,000 hours	6.3 to 100
Power Supply Output, Low Impedance	KME-BP	—	Bi-polar, downsized (Ask Engineering Bulletin No.866 in detail)		●				Radial	105°C 1,000 hours	6.3 to 100
	KZN	5-21	Long life, low impedance		●	●	●		Radial	105°C 6,000 to 10,000 hours +R	6.3 to 100
	KZM	5-24	Long life, super low impedance		●	●	●		Radial	105°C 6,000 to 10,000 hours +R	6.3 to 50
	KZH	5-27	Super low impedance, downsized		●	●	●		Radial	105°C 5,000 to 6,000 hours +R	6.3 to 35
	KZE	5-29	Low impedance, downsized		●	●	●		Radial	105°C 1,000 to 5,000 hours +R	6.3 to 100
	KYB	5-32	Low impedance, downsized		●	●	●		Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
	KYA	5-35	Low impedance, downsized		●	●	●		Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
	KY	5-38	Low impedance, standard	●		●	●		Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
	LZA	5-41	Low impedance, downsized		●	●	●	●	Radial	105°C 4,000 to 7,000 hours +R	6.3 to 35
	LXZ (Upgrade!)	5-43	Low impedance, downsized	●	●	●	●	●	Radial	105°C 2,000 to 8,000 hours +R	6.3 to 63
Power Supply Input	LXY	5-46	Low impedance			●	●	●	Radial	105°C 2,000 to 8,000 hours +R	10 to 63
	LXV	5-48	Low impedance			●	●	●	Radial	105°C 2,000 to 5,000 hours +R	6.3 to 100
	KXL (New!)	5-51	Long life, downsized, for input filtering		●		●		Radial	105°C 10,000 to 12,000 hours +R	400 to 450
	KXJ	5-53	Long life, downsized, for input filtering		●		●	●	Radial	105°C 8,000 to 12,000 hours +R	160 to 500
	KXG	5-57	Long life, downsized, for input filtering	●	●		●		Radial	105°C 8,000 to 10,000 hours +R	160 to 450
	KWA	5-59	Low profile, long life for input filtering		●		●		Radial	105°C 5,000 hours +R	400 to 450
	KHE	5-61	Low profile, high ripple for input filtering		●				Radial	105°C 2,000 hours +R	400 to 450
	PAG	5-63	Low profile, for input filtering		●				Radial	105°C 2,000 hours +R	200 to 450
Power Supply Output	KLJ	5-65	No sparks with DC overvoltage, downsized		●				Radial	105°C 2,000 hours +R	200 to 450
	KXF	5-67	Long life, downsized, for input filtering		●		●		Radial	105°C 15,000/20,000 hours +R	160 to 450
High Temperature	KXE	5-69	Long life, downsized, for input filtering		●		●		Radial	105°C 10,000 to 12,000 hours +R	160 to 400
	LE	5-71	Long life, downsized		●		●		Radial	105°C 10,000 hours +R	10 to 100
	FL	5-73	Long life, downsized		●		●		Radial	105°C 3,000 hours +R	6.3 to 50
	GPA	5-75	125/150°C, downsized (Guaranteed short time at 150°C)		●	●	●	●	Radial	125°C 3,000 to 5,000 hours +R	25 to 100
	GVA	5-78	125°C, high vibration resistance		●	●	●	●	Radial	125°C 5,000 hours +R	25 to 100
	GXF	5-80	125°C, high ripple		●	●		●	Radial	125°C 3,000 hours +R	25 to 400
	GXE	5-83	125°C, low impedance, downsized		●	●	●	●	Radial	125°C 2,000 to 5,000 hours +R	10 to 450
Special Application	GXL	5-85	125°C				●	●	Radial	125°C 5,000 hours +R	10 to 50
	GPD	5-87	135/150°C, high ripple (Guaranteed short time at 150°C)		●	●	●	●	Radial	135°C 2,000 to 3,000 hours +R	25 to 100
	GVD	5-90	135°C, high vibration resistance		●	●	●	●	Radial	135°C 2,000 to 3,000 hours +R	25 to 100
LBK	5-92	For airbag, downsized		●	●	●	●	Radial	105°C 5,000 hours +R	25 & 35	
LBG	5-94	For airbag		●	●	●	●	Radial	105°C 5,000 hours +R	25 & 35	
PH	5-96	For photo flash		●				Radial	55°C 5,000 times charging	300 & 330	

● : Recommendation products

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ALUMINUM ELECTROLYTIC CAPACITORS

	Series	Page	Features	Standard Type	Miniaturization	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})	
					Low profile type						
Snap-in Type	General Purpose	SMR	6-2	85°C, high ripple, downsized	●	●	●		Pin	85°C 2,000 hours +R	400 to 450
		SMQ	6-4	85°C, standard	●	●	●		Pin	85°C 2,000 hours +R	160 to 450
		KMZ	6-7	105°C, super downsized		●			Pin	105°C 2,000 hours +R	420 & 450
		KMW	6-9	105°C, super downsized		●			Pin	105°C 2,000 hours +R	400 to 450
		KMR	6-11	105°C, downsized		●			Pin	105°C 2,000 hours +R	160 to 450
		KMQ	6-14	105°C, standard	●		●		Pin	105°C 2,000 hours +R	35, 50, 160 to 450
		RLB	6-18	85°C, 5,000 hours, high ripple		●	●		Pin	85°C 5,000 hours +R	180 to 250
		RLA	6-20	85°C, high ripple		●	●		Pin	85°C 3,000 hours +R	180 to 250
		KLA (New)	6-22	105°C, high ripple		●	●		Pin	105°C 3,000 hours +R	180 to 250
		SMM	6-24	85°C, 3,000 hours	●		●	●	Pin	85°C 3,000 hours +R	160 to 450
		KMT	6-28	105°C, high ripple			●		Pin	105°C 3,000 hours +R	420 & 450
		KHS (New)	6-30	105°C, downsized		●	●	●	Pin	105°C 3,000 hours +R	450 to 500
		KMS (Upgrade)	6-32	105°C, downsized	●	●	●	●	Pin	105°C 3,000 hours +R	160 to 600
		KMM	6-35	105°C, 3,000 hours	●		●	●	Pin	105°C 3,000 hours +R	160 to 450
	SMH	6-39	85°C, standard (Ask Engineering Bulletin No.585 for 160 to 450V)						Pin	85°C 2,000 hours +R	6.3 to 100
	KMH	6-42	105°C, standard (Ask Engineering Bulletin No.584 for 160 to 450V)						Pin	105°C 2,000 hours +R	6.3 to 100
	Low Profile	KLM	—	15mm height, low profile (Ask Engineering Bulletin No.855 in detail)		●			Pin	105°C 2,000 hours +R	160 to 400
	High Temperature	TXH	6-45	Long life				●	Pin	105°C 10,000 hours +R	200 to 450
		LXM	6-47	Long life, downsized		●		●	Pin	105°C 7,000 hours +R	160 to 450
		LHS (New)	6-50	Long life, downsized		●	●	●	Pin	105°C 5,000 hours +R	450 to 500
		LXS (Upgrade)	6-52	Long life, downsized	●	●	●	●	Pin	105°C 5,000 hours +R	160 to 600
		LXG	6-55	Long life, downsized		●		●	Pin	105°C 5,000 hours +R	160 to 450
		LXG	6-58	Long life				●	Pin	105°C 5,000 hours +R	10 to 100
Special Application	CHA	6-61	No sparks with DC overvoltage				●	Pin	105°C 2,000 hours +R	200 to 450	
	LXH	—	No sparks with DC overvoltage (Ask Engineering Bulletin No.856 in detail)		●	●	●	Pin	105°C 3,000/5,000 hours +R	200 & 400	
	KMV	6-63	For charge and discharge application					Pin	105°C 3,000 hours +R	350 to 450	
Screw-Mount Type	General Purpose	SME	7-2	85°C, standard (Ask Engineering Bulletin No.548 for 160 to 250V)	●				Screw	85°C 2,000 hours +R	10 to 100
		KMQ	7-4	105°C, downsized		●			Screw	105°C 2,000 hours +R	315 to 450
		KMH	7-6	105°C, standard	●				Screw	105°C 2,000 hours +R	10 to 400
	For Inverter	RWH	7-10	High ripple, downsized		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWG	—	Long life, high ripple, downsized (Ask Engineering Bulletin No.747 in detail)		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWF	7-12	Long life, high ripple		●	●	●	Screw	85°C 5,000 hours +R	350 to 450
		RWR	7-14	High ripple, downsized		●	●	●	Screw	85°C 2,000 hours +R	350 to 450
		RWQ	7-16	High ripple, downsized	●	●	●		Screw	85°C 2,000 hours +R	350 to 550
		RWE	7-18	High ripple	●	●	●		Screw	85°C 2,000 hours +R	350 to 550
		RWY	—	Long life, high ripple, low cost (Ask Engineering Bulletin No.661 in detail)				●	Screw	85°C 5,000 hours +R	350 to 450
		RWL	7-20	Long life, high ripple				●	Screw	85°C 20,000 hours +R	350 to 450
		RHB (New)	7-22	85°C, high voltage					Screw	85°C 2,000 hours +R	575 to 700
		RHA	7-24	High voltage, high ripple	●	●	●		Screw	85°C 5,000 hours +R	500 to 650
		FTP	7-26	Ovalized can shape, high ripple	●	●	●		Screw	85°C 5,000 hours +R	63 to 450
		LXA	7-28	105°C, long life	●			●	Screw	105°C 2,000/5,000 hours +R	10 to 525
LXR	7-32	105°C, long life, high ripple				●	Screw	105°C 5,000 hours +R	350 to 450		
RWV	7-34	For charge and discharge application					Screw	85°C 5,000 hours +R	350 to 450		

ALUMINUM ELECTROLYTIC CAPACITORS (UNITED CHEMI-CON, INC. Products)

	Series	Page	Features	Standard Type	Miniaturization	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
					Low profile type					
Screw-Mount Type	For Inverter	U37F	7-37	Long life, high ripple		●	●	Screw	85°C 5,000 hours +R	350 to 500
		U37L	7-44	Long life, high ripple		●	●	Screw	85°C 10,000 hours +R	350 to 500
		U37X	7-51	Long life, high ripple		●	●	Screw	85°C 15,000 hours +R	350 to 500
		UTOR	7-58	Toroidal shape, long life, high ripple		●	●	Screw	105°C 5,000 hours +R	350 to 500

ALUMINUM ELECTROLYTIC CAPACITORS FOR AUDIO

	Series	Page	Features	Standard Type	Miniaturization	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
					Low profile type			
For Audio	MAR MELODIO	8-1	Surface mount type	●	●	SMD	85°C 2,000 hours	6.3 to 50
	MAK MELODIO	8-3	105°C, Surface mount type			SMD	105°C 1,000 hours	6.3 to 50
	ARI MELODIO	8-5	5mm / 7mm height	●	●	Radial	85°C 1,000 hours	6.3 to 50
	ASG	8-7	Standard, downsized			Radial	85°C 2,000 hours	6.3 to 100
	ASH	—	Standard (Ask Engineering Bulletin No.742 in detail)			Radial	85°C 1,000 hours	6.3 to 100
	AVH MELODIO	8-9	Standard			Radial	85°C 1,000 hours	6.3 to 100
	AWJ	8-11	High grade			Radial	85°C 1,000 hours	16 to 100
	SNX-BP	8-13	General purpose speaker network			Radial	85°C 1,000 hours	63
	AJ MELODIO	8-14	For input filtering, snap-in type			Pin	85°C 1,000 hours	25 to 25

● : Recommendation products