

## 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 <sub>dc</sub> )
Resin-Molded Surface Mount Type	<b>PMA</b> <small>(New!)</small>	2-12	Super low ESR, low profile		●	●				—	105°C 5,000 hours	16 to 25
	<b>PXT</b> <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	<b>PXJ</b>	2-16	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 15,000 hours	2.5 to 25
	<b>PXG</b>	2-18	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	16 to 25
	<b>PXK</b>	2-20	Super low ESR, high ripple current, downsized		●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 16
	<b>PXS</b>	2-22	Super low ESR, high ripple current		●	●	●			SMD	105°C 20,000 hours	4 to 16
	<b>PXF</b>	2-24	Super low ESR, high ripple current		●	●	●			SMD	105°C 3,000 to 15,000 hours	2 to 10
	<b>PXE</b>	2-26	Super low ESR, high ripple current		●	●	●			SMD	105°C 15,000 hours	2.5 to 16
	<b>PXA</b>	2-28	Super low ESR, high ripple current	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 25
	<b>PXD</b>	2-30	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 2,000 hours	2.5 to 10
Radial Lead Type	<b>PXH</b>	2-32	125°C, super low ESR, high ripple current		●	●	●	●		SMD	125°C 1,000 hours	2.5 to 20
	<b>PSJ</b>	2-34	Super low ESR, high ripple current, downsized		●	●				Radial	105°C 2,000 to 5,000 hours	2.5
	<b>PSG</b> <small>(Upgrade!)</small>	2-36	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 to 20,000 hours	16 to 35
	<b>PSK</b>	2-38	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	<b>PSF</b>	2-40	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2 to 16
	<b>PSE</b>	2-42	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	<b>PSC</b>	2-44	Super low ESR, high ripple current		●	●	●			Radial	105°C 15,000 hours	2.5 to 16
	<b>PSA</b>	—	Super low ESR, high ripple current (Ask Engineering Bulletin No.721 in detail)		●	●	●			Radial	105°C 15,000 hours	2.5 to 16
<b>PS</b>	—	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 <sub>dc</sub> )
Surface Mount Type	<b>HXE</b> <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
	<b>HXC</b>	3-8	125°C, super low ESR, high ripple current	●		●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	<b>HXD</b>	3-10	Super low ESR, high ripple current	●		●	●	●	●	SMD	105°C 5,000 hours +R	16 to 63
	<b>HXA</b>	3-12	125°C, super low ESR, high ripple current			●	●	●	●	SMD	125°C 4,000 hours +R	16 to 80
	<b>HXB</b>	3-14	Super low ESR, high ripple current			●	●	●	●	SMD	105°C 5,000 hours +R	16 to 80
Radial Lead Type	<b>HSE</b> <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
	<b>HSC</b>	3-16	125°C, super low ESR, high ripple current	●		●	●	●	●	Radial	125°C 2,000 hours +R	25 to 63
	<b>HSD</b>	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 <sub>dc</sub> )	
Surface Mount Type	General Purpose	<b>MVA</b>	4-8	85°C, standard	●	●				SMD	85°C 2,000 hours	4 to 450	
		<b>MVE</b>	4-10	105°C, standard	●	●			●	SMD	105°C 1,000 to 2,000 hours	6.3 to 450	
	Low Impedance	<b>MZR</b>	4-12	Super low ESR, downsized		●	●			●	SMD	105°C 2,000 hours	6.3 to 50
		<b>MZJ</b>	4-14	Super low ESR		●	●			●	SMD	105°C 2,000 hours	6.3 to 35
		<b>MZA</b>	4-16	Super low impedance, Case size 4 to 18mm		●	●	●		●	SMD	105°C 2,000 to 5,000 hours	6.3 to 100
		<b>MVY</b>	4-18	Low impedance, standard, Case size 4 to 18mm	●		●			●	SMD	105°C 1,000 to 5,000 hours	6.3 to 100
		<b>MZF</b>	4-20	10,000 hours, Long life, low impedance			●	●			SMD	105°C 10,000 hours	6.3 to 50
		<b>MZE</b>	4-22	7,000/8,000 hours, Long life, low impedance			●	●			SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		<b>MZK</b>	4-24	5,000 hours, Long life, low impedance			●	●			SMD	105°C 5,000 hours	6.3 to 35
		<b>MLA</b>	4-26	3,000 hours, Long life, low impedance			●	●			SMD	105°C 3,000 hours	6.3 to 50
	Long Life	<b>MLF</b>	4-28	10,000 hours, Long life				●			SMD	105°C 10,000 hours	6.3 to 50
		<b>MLE</b>	4-30	7,000/8,000 hours, Long life				●			SMD	105°C 7,000 to 8,000 hours	6.3 to 50
		<b>MLK</b>	4-32	5,000 hours, Long life			●	●			SMD	105°C 5,000 hours	6.3 to 35
		<b>MVL</b>	4-33	3,000/5,000 hours, Long life				●			SMD	105°C 3,000 to 5,000 hours	6.3 to 50
		<b>MVJ</b>	4-35	2,000 hours, Long life				●			SMD	105°C 2,000 hours	6.3 to 50
	Special Application	<b>MHS</b> <small>(New!)</small>	4-36	125°C, High temperature reflow soldering(3times)		●		●	●	●	SMD	125°C 5,000 hours	16 to 100
		<b>MVH</b>	4-38	125°C, Case size 6.3 to 18mm	●			●	●	●	SMD	125°C 1,000 to 5,000 hours	10 to 450
		<b>MHL</b>	4-40	125°C, Downsized				●	●	●	SMD	125°C 2,000 to 4,000 hours	10 to 35
		<b>MHB</b>	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
		<b>MHJ</b>	4-44	125°C, Specified ESR after endurance				●	●	●	SMD	125°C 2,000 to 3,000 hours	10 to 35
<b>MHK</b>		4-46	125°C, Specified ESR after endurance				●	●	●	SMD	125°C 2,000 hours	35	
<b>MKB</b>		4-48	Specified ESR at low temperature							SMD	105°C 3,000 hours	400	
<b>MV-BP</b>	—	Bi-polar (Ask Engineering Bulletin No.624 in detail)		●					SMD	85°C 2,000 hours	6.3 to 50		
<b>MVK-BP</b>	—	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
	LXY	5-46	Low impedance			●	●	●	Radial	105°C 2,000 to 8,000 hours +R	10 to 63
	Power Supply Input	LXV	5-48	Low impedance			●	●	●	Radial	105°C 2,000 to 5,000 hours +R
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
KLJ		5-65	No sparks with DC overvoltage, downsized		●				Radial	105°C 2,000 hours +R	200 to 450
Power Supply Output	KXF	5-67	Long life, downsized, for input filtering		●		●		Radial	105°C 15,000/20,000 hours +R	160 to 450
	KXE	5-69	Long life, downsized, for input filtering		●		●		Radial	105°C 10,000 to 12,000 hours +R	160 to 400
High Temperature	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
	GXL	5-85	125°C				●	●	Radial	125°C 5,000 hours +R	10 to 50
Special Application	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
Special Application	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

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	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V <sub>dc</sub> )		
					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	6-32	105°C, downsized	●	●	●	●	Pin	105°C 3,000 hours +R	160 to 550	
		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	6-52	Long life, downsized	●	●	●	●	Pin	105°C 5,000 hours +R	160 to 550	
		LXQ	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 <sub>dc</sub> )
					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 <sub>dc</sub> )
					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			●	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