

■ CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	Low Z	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
Resin-Molded Surface Mount Type	PMA	Super low ESR, low profile		●	●				—	105°C 5,000 hours	16 to 25
	PXN	Super low ESR, high ripple current, high moisture resistance		●	●	●		●	SMD	105°C 5,000 hours	2.5 to 16
Surface Mount Type	PXT	Super low ESR, high ripple current, high moisture resistance		●	●	●			SMD	105°C 15,000 hours	2.5 to 16
	PXJ	Super low ESR, high ripple current, downsizing		●	●	●			SMD	105°C 15,000 hours	2.5 to 25
	PXG	Super low ESR, high ripple current, downsizing	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	16 to 25
	PXK	Super low ESR, high ripple current, downsizing	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 16
	PXS	Super low ESR, high ripple current		●	●	●			SMD	105°C 20,000 hours	4 to 16
	PXF	Super low ESR, high ripple current	●	●	●	●			SMD	105°C 3,000 to 15,000 hours	2 to 10
	PXE	Super low ESR, high ripple current		●	●	●			SMD	105°C 2,000 hours	2.5 to 16
	PXA	Super low ESR, high ripple current		●	●	●			SMD	105°C 3,000 to 15,000 hours	2.5 to 25
	PXD	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 2,000 hours	2.5 to 10
Radial Lead Type	PXH	125°C, super low ESR, high ripple current		●	●	●	●	●	SMD	125°C 1,000 hours	2.5 to 20
	PSJ	Super low ESR, high ripple current, downsizing		●	●	●			Radial	105°C 2,000 to 5,000 hours	2.5
	PSG (Upgrade!)	Super low ESR, high ripple current	●	●	●	●			Radial	105°C 15,000 to 20,000 hours	16 to 35
	PSK	Super low ESR, high ripple current	●	●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSF	Super low ESR, high ripple current	●	●	●	●			Radial	105°C 20,000 hours	2 to 16
	PSE	Super low ESR, high ripple current		●	●	●			Radial	105°C 20,000 hours	2.5 to 6.3
	PSC	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		Features	Standard Type	Miniaturization Low profile type	Low Z	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
Surface Mount Type	HXE (Upgrade!)	135°C, super low ESR, high ripple current			●	●	●	●	SMD	135°C 2,000 to 4,000 hours +R	16 to 63
	HXJ (New!)	125°C, super low ESR, high ripple current			●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	HXC (New!)	125°C, super low ESR, high ripple current	●		●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	HXD	Super low ESR, high ripple current	●		●	●	●	●	SMD	105°C 5,000 hours +R	16 to 63
	HXA (Upgrade!)	125°C, super low ESR, high ripple current (Ask Engineering Bulletin No.830 for 16 to 63V)			●	●	●	●	SMD	125°C 4,000 hours +R	80
Radial Lead Type	HXB	Super low ESR, high ripple current (Ask Engineering Bulletin No.831 for 16 to 63V)			●	●	●	●	SMD	105°C 5,000 hours +R	80
	HSE	135°C, super low ESR, high ripple current			●	●	●	●	Radial	135°C 4,000 hours +R	25 to 63
	HSC	125°C, super low ESR, high ripple current	●		●	●	●	●	Radial	125°C 4,000 hours +R	25 to 63
	HSD	Super low ESR, high ripple current	●		●	●	●	●	Radial	105°C 5,000 hours +R	25 to 63

■ ALUMINUM ELECTROLYTIC CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	Low Z	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
General Purpose	MVA	85°C, standard	●	●					SMD	85°C 2,000 hours	4 to 450
	MVE	105°C, standard	●	●				●	SMD	105°C 1,000 to 2,000 hours	6.3 to 450
Low Impedance	MZS	Super low ESR, downsizing		●	●			●	SMD	105°C 2,000 hours	25 & 35
	MZL (New!)	5,000 hours, long life, low ESR		●	●	●		●	SMD	105°C 5,000 hours	6.3 to 50
	MZR	Super low ESR, downsizing	●	●	●			●	SMD	105°C 2,000 hours	6.3 to 50
	MZJ	Super low ESR		●	●			●	SMD	105°C 2,000 hours	6.3 to 35
	MZA	Super low impedance, case size 4 to 18mm	●	●	●	●		●	SMD	105°C 2,000 to 5,000 hours	6.3 to 100
	MVY	Low impedance, standard, case size 4 to 18mm			●			●	SMD	105°C 1,000 to 5,000 hours	6.3 to 100
	MZF	10,000 hours, long life, low impedance			●	●			SMD	105°C 10,000 hours	6.3 to 50
	MZE	7,000/8,000 hours, long life, low impedance			●	●			SMD	105°C 7,000 to 8,000 hours	6.3 to 50
	MZK	5,000 hours, long life, low impedance		●	●	●			SMD	105°C 5,000 hours	6.3 to 35
Long Life	MLA	3,000 hours, long life, low impedance			●	●			SMD	105°C 3,000 hours	6.3 to 50
	MLF	10,000 hours, long life				●			SMD	105°C 10,000 hours	6.3 to 50
	MLE	7,000/8,000 hours, long life				●			SMD	105°C 7,000 to 8,000 hours	6.3 to 50
	MLK	5,000 hours, long life		●		●			SMD	105°C 5,000 hours	6.3 to 35
	MVL	3,000/5,000 hours, long life				●			SMD	105°C 3,000 to 5,000 hours	6.3 to 50
Special Application	MVJ	2,000 hours, long life				●			SMD	105°C 2,000 hours	6.3 to 50
	MHS	125°C, high temperature reflow soldering(3times)		●	●	●	●	●	SMD	125°C 5,000 hours	16 to 100
	MVH	125°C, case size 6.3 to 18mm			●	●	●	●	SMD	125°C 1,000 to 5,000 hours	10 to 450
	MHL	125°C, downsizing			●	●	●	●	SMD	125°C 2,000 to 4,000 hours	10 to 35
	MHB	125°C, specified ESR after endurance Case size 8 to 18mm	●		●		●	●	SMD	125°C 1,500 to 3,000 hours	10 to 100
	MHJ	125°C, specified ESR after endurance			●		●	●	SMD	125°C 2,000 to 3,000 hours	10 to 35
	MHK	125°C, specified ESR after endurance			●		●	●	SMD	125°C 2,000 hours	35
	MXB	150°C, case size 12.5 to 18mm			●	●	●		SMD	150°C 1,000 hours	25 & 35
	MKB	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.

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ALUMINUM ELECTROLYTIC CAPACITORS

	Series	Features	Standard Type	Miniaturization	Low Z	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)	
			Low profile type									
Radial Lead Type	Low Profile	SRG	φ 10×9 to φ 18×25mm, low profile	●					Radial	85°C 2,000 hours	6.3 to 50	
		KRG	φ 10×9 to φ 18×25mm, low profile	●					Radial	105°C 1,000 hours	6.3 to 50	
	General Purpose	SMQ	85°C, downsizing	●						Radial	85°C 2,000 hours	6.3 to 450
		KMQ	105°C, downsizing	●						Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
		SMG	85°C, standard	●						Radial	85°C 2,000 hours	6.3 to 450
		KMG	105°C, standard	●	●					Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450
		SME-BP	Bi-polar, downsizing (Ask Engineering Bulletin No.865 in detail)	●						Radial	85°C 2,000 hours	6.3 to 100
		KME-BP	Bi-polar, downsizing (Ask Engineering Bulletin No.866 in detail)	●						Radial	105°C 1,000 hours	6.3 to 100
	Power Supply Output, Low Impedance	KZN <small>(Upgrade!)</small>	Long life, low impedance	●	●	●				Radial	105°C 6,000 to 10,000 hours +R	6.3 to 100
		KZM	Long life, super low impedance	●	●	●				Radial	105°C 6,000 to 10,000 hours +R	6.3 to 50
		KZH	Super low impedance, downsizing	●	●	●				Radial	105°C 5,000 to 6,000 hours +R	6.3 to 35
		KZE	Low impedance, downsizing	●	●	●				Radial	105°C 2,000 to 5,000 hours +R	6.3 to 100
		KYC	Low ESR, downsizing	●	●	●		●		Radial	105°C 3,000 to 5,000 hours +R	16 to 50
		KYB	Low impedance, downsizing	●	●	●				Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		KYA	Low impedance, downsizing	●	●	●				Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		KY	Low impedance, standard	●		●	●			Radial	105°C 4,000 to 10,000 hours +R	6.3 to 100
		LZA	Low impedance, downsizing	●	●	●			●	Radial	105°C 4,000 to 7,000 hours +R	6.3 to 35
		LXZ	Low impedance, downsizing	●	●	●	●		●	Radial	105°C 2,000 to 8,000 hours +R	6.3 to 63
		LXY	Low impedance			●	●		●	Radial	105°C 2,000 to 8,000 hours +R	10 to 63
	LXV	Low impedance			●	●		●	Radial	105°C 2,000 to 5,000 hours +R	6.3 to 100	
	Power Supply Input	XXL	Long life, downsizing, for input filtering	●	●	●				Radial	105°C 10,000 to 12,000 hours +R	400 to 450
		KXJ	Long life, downsizing, for input filtering	●	●	●		●		Radial	105°C 8,000 to 12,000 hours +R	160 to 500
		KXG	Long life, downsizing, for input filtering	●	●	●				Radial	105°C 8,000 to 10,000 hours +R	160 to 450
		KWB	Low profile, long life for input filtering	●	●	●				Radial	105°C 5,000 hours +R	400 to 450
		KWA	Low profile, long life for input filtering	●	●	●				Radial	105°C 5,000 hours +R	400 to 450
		KHF	Low profile, high ripple for input filtering	●	●	●				Radial	105°C 3,000 hours +R	400 to 450
		KHE	Low profile, high ripple for input filtering	●	●	●				Radial	105°C 2,000 hours +R	400 to 450
		PAG	Low profile, for input filtering	●	●	●				Radial	105°C 2,000 hours +R	200 to 450
		KLJ	No sparks with DC overvoltage, for input filtering	●	●	●				Radial	105°C 2,000 hours +R	200 to 450
		KXF	Long life, downsizing, for input filtering	●	●	●				Radial	105°C 15,000/20,000 hours +R	160 to 450
		KXE	Long life, downsizing, for input filtering	●	●	●				Radial	105°C 10,000 to 12,000 hours +R	160 to 400
	Power Supply Output	LE	Long life, downsizing	●		●				Radial	105°C 10,000 hours +R	10 to 100
	High Temperature	GPA	125/150°C, downsizing (Guaranteed short time at 150°C)	●	●	●	●	●	●	Radial	125°C 3,000 to 5,000 hours +R	25 to 100
		GVA	125°C, high vibration resistance	●	●	●	●	●	●	Radial	125°C 5,000 hours +R	25 to 100
		GXF	125°C, high ripple	●	●	●	●	●	●	Radial	125°C 3,000 hours +R	25 to 400
		GXE	125°C, low impedance, downsizing	●	●	●	●	●	●	Radial	125°C 2,000 to 5,000 hours +R	10 to 450
		GXL	125°C			●	●	●	●	Radial	125°C 5,000 hours +R	10 to 50
		GPD	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	135°C, high vibration resistance	●	●	●	●	●	●	Radial	135°C 2,000 to 3,000 hours +R	25 to 100
	GQB	150°C, high ripple			●	●	●	●	Radial	150°C 1,000 hours +R	25 & 35	
Special Application	LBV	For airbag, downsizing	●	●	●		●		Radial	105°C 5,000 hours +R	25 & 35	
	LBK	For airbag, downsizing (Ask Engineering Bulletin No.820 in detail)	●	●	●		●		Radial	105°C 5,000 hours +R	25 & 35	
	LBG	For airbag	●	●	●		●		Radial	105°C 5,000 hours +R	25 & 35	
	PH	For photo flash	●						Radial	55°C 5,000 times charging	300 to 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		Features	Standard Type	Miniaturization Low profile type	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})		
Snap-in Type	General Purpose	SMR	85°C, high ripple, downsizing	●	●		Pin	85°C 2,000 hours +R	400 to 450		
		SMQ	85°C, standard	●	●		Pin	85°C 2,000 hours +R	160 to 450		
		KHE (New!)	105°C, super downsizing		●			Pin	105°C 2,000 hours +R	400 to 450	
		KMZ (Upgrade!)	105°C, super downsizing		●			Pin	105°C 2,000 hours +R	420 & 450	
		KMW	105°C, super downsizing		●			Pin	105°C 2,000 hours +R	400 to 450	
		KMR	105°C, downsizing		●	●		Pin	105°C 2,000 hours +R	160 to 450	
		KMQ	105°C, standard	●		●		Pin	105°C 2,000 hours +R	35, 50, 160 to 450	
		RLB	85°C, 5,000 hours, high ripple		●	●		Pin	85°C 5,000 hours +R	180 to 250	
		RLA	85°C, high ripple		●	●		Pin	85°C 3,000 hours +R	180 to 250	
		KLA	105°C, high ripple		●	●		Pin	105°C 3,000 hours +R	180 to 250	
		SMM	85°C, 3,000 hours	●		●	●	Pin	85°C 3,000 hours +R	160 to 450	
		KHJ (New!)	105°C, high ripple			●		Pin	105°C 3,000 hours +R	400 to 450	
		KMT	105°C, high ripple			●		Pin	105°C 3,000 hours +R	420 & 450	
		KHS	105°C, downsizing		●	●	●	Pin	105°C 3,000 hours +R	450 to 500	
		KMS (Upgrade!)	105°C, downsizing	●		●	●	Pin	105°C 3,000 hours +R	160 to 600	
	KMM	105°C, 3,000 hours			●	●	Pin	105°C 3,000 hours +R	160 to 450		
	SMH	85°C, standard (Ask Engineering Bulletin No.585 for 160 to 450V)					Pin	85°C 2,000 hours +R	6.3 to 100		
	KMH	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	Long life				●	Pin	105°C 10,000 hours +R	200 to 450	
		LXM	Long life, downsizing		●		●	Pin	105°C 7,000 hours +R	160 to 450	
		LHJ (New!)	Long life, high ripple			●	●	Pin	105°C 5,000 hours +R	400 to 450	
		LHS (Upgrade!)	Long life, downsizing		●	●	●	Pin	105°C 5,000 hours +R	450 to 500	
		LXS	Long life, downsizing	●		●	●	Pin	105°C 5,000 hours +R	160 to 600	
		LXQ	Long life, downsizing		●		●	Pin	105°C 5,000 hours +R	160 to 450	
Special Application	LXG	Long life				●	Pin	105°C 5,000 hours +R	10 to 100		
	GXA (New!)	125°C, high temperature				●	Pin	125°C 3,000 hours +R	400 & 450		
	CHA	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	For charge and discharge application					Pin	105°C 3,000 hours +R	350 to 450		
Screw-Mount Type	General Purpose	SME	85°C, standard (Ask Engineering Bulletin No.548 for 160 to 250V)	●			Screw	85°C 2,000 hours +R	10 to 100		
		KMQ	105°C, downsizing		●		Screw	105°C 2,000 hours +R	315 to 450		
		KMH	105°C, standard	●			Screw	105°C 2,000 hours +R	10 to 400		
	For Inverter	RWX (New!)	High capacitance		●		●	Screw	85°C 5,000 hours +R	400 & 450	
		RWH	High ripple, downsizing		●	●	●	Screw	85°C 5,000 hours +R	350 to 450	
		RWG	Long life, high ripple, downsizing (Ask Engineering Bulletin No.747 in detail)		●	●	●	Screw	85°C 5,000 hours +R	350 to 450	
		RWF	Long life, high ripple		●		●	Screw	85°C 5,000 hours +R	350 to 450	
		RWU (New!)	High capacitance		●			Screw	85°C 2,000 hours +R	400 & 450	
		RWR	High ripple, downsizing		●	●		Screw	85°C 2,000 hours +R	350 to 450	
		RWQ	High ripple, downsizing	●		●	●	Screw	85°C 2,000 hours +R	350 to 550	
		RWE	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	Long life, high ripple				●	●	Screw	85°C 20,000 hours +R	350 to 450
		RHB	85°C, high voltage						Screw	85°C 2,000 hours +R	575 to 700
		RHA	High voltage, high ripple		●	●	●		Screw	85°C 5,000 hours +R	500 to 650
		FTP	Ovalized can shape, high ripple		●	●	●		Screw	85°C 5,000 hours +R	63 to 450
		LXA	105°C, long life		●		●		Screw	105°C 2,000/5,000 hours +R	10 to 525
LXR	105°C, long life, high ripple				●	●	Screw	105°C 5,000 hours +R	350 to 450		
RWV	For charge and discharge application						Screw	85°C 5,000 hours +R	350 to 450		

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

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

ALUMINUM ELECTROLYTIC CAPACITORS FOR AUDIO

Series		Features	Standard Type	Miniaturization Low profile type	Terminal type	Endurance (+R=With ripple)	Rated voltage range (V _{dc})
For Audio	MAR <i>MELODIO</i>	Surface mount type	●	●	SMD	85°C 2,000 hours	6.3 to 50
	MAK <i>MELODIO</i>	105°C, surface mount type			SMD	105°C 1,000 hours	6.3 to 50
	ASG	Standard, downsizing			Radial	85°C 2,000 hours	6.3 to 100
	AVH <i>MELODIO</i>	Standard		●	Radial	85°C 1,000 hours	6.3 to 100
	AWJ	High grade			Radial	85°C 1,000 hours	16 to 100
	SNX-BP	General purpose speaker network			Radial	85°C 1,000 hours	63
	AJ <i>MELODIO</i>	For input filtering, snap-in type		●		Pin	85°C 1,000 hours

● : Recommendation products