

Return Group Chart



CAPACITOR SERIES TABLE, CONTENTS

■ 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 (V _{dc})
Resin-Molded Surface Mount Type	PMF	Super low ESR, low profile		●	●				—	105°C 5,000 hours	16 to 25
Surface Mount Type	PXN	Super low ESR, high ripple current, high moisture resistance		●	●	●		●	SMD	105°C 5,000 hours	2.5 to 16
	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 15,000 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
Radial Lead Type	PXD	125°C, super low ESR, high ripple current		●	●	●		●	SMD	125°C 2,000 hours	2.5 to 10
	PXH	125°C, super low ESR, high ripple current		●	●	●		●	SMD	125°C 1,000 hours	2.5 to 20
	PSW	Super low ESR, high ripple current, downsizing		●	●				Radial	105°C 5,000 hours	25
	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

■ 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 (V _{dc})
Surface Mount Type	HXF (New!)	135°C, super low ESR, high ripple current			●	●	●	●	SMD	135°C 4,000 hours +R	25 to 63
	HXE (Upgrade)	135°C, super low ESR, high ripple current			●	●	●	●	SMD	135°C 2,000 to 4,000 hours +R	16 to 63
	HXJ (Upgrade)	125°C, super low ESR, high ripple current			●	●	●	●	SMD	125°C 4,000 hours +R	16 to 63
	HXC (Upgrade)	125°C, super low ESR, high ripple current	●		●	●	●	●	SMD	125°C 4,000 hours +R	16 to 80
	HXD (Upgrade)	105°C, super low ESR	●		●			●	SMD	105°C 5,000 to 10,000 hours +R	16 to 80
Radial Lead Type	HSE	135°C, super low ESR, high ripple current			●	●	●	●	Radial	135°C 4,000 hours +R	25 to 63
	HSC (Upgrade)	125°C, super low ESR, high ripple current	●		●	●	●	●	Radial	125°C 4,000 hours +R	25 to 80
	HSD (Upgrade)	105°C, super low ESR, standard	●		●			●	Radial	105°C 10,000 hours +R	25 to 80

■ 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 (V _{dc})	
Surface Mount Type	General Purpose	MVE	105°C, standard	●	●			●	SMD	105°C 1,000 to 2,000 hours	6.3 to 100	
	Low Impedance	MZS	Super low ESR, downsizing		●	●			●	SMD	105°C 2,000 hours	25 & 35
		MZL	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 to 5,000 hours	6.3 to 50
		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 100
		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		

● : 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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CAPACITOR SERIES TABLE, CONTENTS

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 (V _{dc})	
			Low profile type									
Radial Lead Type	Low Profile	SRG	φ 10×12.5 to φ 18×25mm, low profile	●					Radial	85°C 2,000 hours	6.3 to 50	
		KRG	φ 10×12.5 to φ 18×25mm, low profile	●					Radial	105°C 1,000 hours	6.3 to 50	
	General Purpose	KMQ	105°C, downsizing	●					Radial	105°C 1,000 to 2,000 hours +R	6.3 to 450	
	Power Supply Output, Low Impedance	KZN	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 6,000 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	KXQ <small>(New!)</small>	Long life, downsizing, for input filtering	●		●		●		Radial	105°C 10,000 to 12,000 hours +R	400 to 450
		KXN <small>(Upgrade!)</small>	Long life, downsizing, for input filtering	●		●				Radial	105°C 10,000 to 12,000 hours +R	350 to 450
		KXL	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
		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	
	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
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	
	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

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ALUMINUM ELECTROLYTIC CAPACITORS

Series		Features	Standard Type	Miniaturization Low profile type	High ripple	Long life	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)	
			●	●	●	●	●				
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 (Upgrade)	105°C, super downsizing		●				Pin	105°C 2,000 hours +R	400 to 450
		KMZ	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	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	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	
	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	Long life, high ripple			●	●		Pin	105°C 5,000 hours +R	400 to 450
		LHS	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
	Vibration resistance	LXG	Long life				●		Pin	105°C 5,000 hours +R	10 to 100
		LVA (New)	Long life, vibration resistance		●		●	●	Pin	105°C 5,000 hours +R	450
		KVB (New)	Vibration resistance		●			●	Pin	105°C 3,000 hours +R	450
	Special Application	KVA (New)	Vibration resistance		●			●	Pin	105°C 2,000 hours +R	450
		GXA	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
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	High capacitance		●		●		Screw	85°C 5,000 hours +R	400 & 450
		RWK	High ripple, long life, downsizing		●	●	●		Screw	85°C 5,000 hours +R	350 to 450
		RWH	High ripple, downsizing		●	●	●		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	High capacitance		●				Screw	85°C 2,000 hours +R	400 & 450
		RWJ	High ripple, downsizing		●	●			Screw	85°C 2,000 hours +R	350 to 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 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
		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 (Vdc)	
			●	●	●	●				
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 (Vdc)
			●	●			
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
	AJ <i>MELODIO</i>	For input filtering, snap-in type			●	Pin	85°C 1,000 hours

● : Recommendation products

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