CAPACITOR SERIES TABLE, CONTENTS

■CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

Series		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	Super low ESR, low profile		●	●				–	105℃ 5,000 hours	16 to 25
Surface Mount Type	PXN (New!)	Super low ESR, high ripple current, high moisture resistance		●	●	●		●	SMD	105℃ 5,000 hours	2.5 to 16
	PXT	Super low ESR, high ripple current, high moisture resistance		●	●	●			SMD	105℃ 15,000 hours	2.5 to 16
	PXJ	Super low ESR, high ripple current, downsized		●	●	●			SMD	105℃ 15,000 hours	2.5 to 25
	PXG	Super low ESR, high ripple current, downsized		●	●	●			SMD	105℃ 3,000 to 15,000 hours	16 to 25
	PXK	Super low ESR, high ripple current, downsized		●	●	●			SMD	105℃ 3,000 to 15,000 hours	2.5 to 16
	PXS	Super low ESR, high ripple current		●	●	●			SMD	105℃ 20,000 hours	4 to 16
	PXF	Super low ESR, high ripple current		●	●	●			SMD	105℃ 3,000 to 15,000 hours	2 to 10
	PXE	Super low ESR, high ripple current		●	●	●			SMD	105℃ 15,000 hours	2.5 to 16
	PXA	Super low ESR, high ripple current	●	●	●	●			SMD	105℃ 3,000 to 15,000 hours	2.5 to 25
	PXD	125℃, super low ESR, high ripple current		●	●		●	●	SMD	125℃ 2,000 hours	2.5 to 10
	PXH	125℃, super low ESR, high ripple current		●	●		●		SMD	125℃ 1,000 hours	2.5 to 20
Radial Lead Type	PSJ	Super low ESR, high ripple current, downsized		●	●				Radial	105℃ 2,000 to 5,000 hours	2.5
	PSG	Super low ESR, high ripple current		●	●	●			Radial	105℃ 15,000 to 20,000 hours	16 to 35
	PSK	Super low ESR, high ripple current		●	●	●			Radial	105℃ 20,000 hours	2.5 to 6.3
	PSF	Super low ESR, high ripple current		●	●	●			Radial	105℃ 20,000 hours	2 to 16
	PSE	Super low ESR, high ripple current		●	●	●			Radial	105℃ 20,000 hours	2.5 to 6.3
	PSC	Super low ESR, high ripple current		●	●	●			Radial	105℃ 15,000 hours	2.5 to 16
	PSA	Super low ESR, high ripple current (Ask Engineering Bulletin No.721 in detail)		●	●	●			Radial	105℃ 15,000 hours	2.5 to 16
	PS	Super low ESR, high ripple current (Ask Engineering Bulletin No.711 in detail)		●	●	●			Radial	105℃ 15,000 hours	2.5 to 35

■CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

Series		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 (New!)	135℃, super low ESR, high ripple current (Ask Engineering Bulletin No.867 in detail)			●	●	●	●	SMD	135℃ 2,000 to 4,000 hours +R	16 to 35
	HXC	125℃, super low ESR, high ripple current	●		●	●	●	●	SMD	125℃ 4,000 hours +R	16 to 63
	HXD	Super low ESR, high ripple current	●		●			●	SMD	105℃ 5,000 hours +R	16 to 63
	HXA	125℃, super low ESR, high ripple current			●	●	●	●	SMD	125℃ 4,000 hours +R	16 to 80
	HXB	Super low ESR, high ripple current			●			●	SMD	105℃ 5,000 hours +R	16 to 80
Radial Lead Type	HSE (New!)	135℃, super low ESR, high ripple current			●	●	●	●	Radial	135℃ 4,000 hours +R	25 to 63
	HSC	125℃, super low ESR, high ripple current	●		●	●	●	●	Radial	125℃ 4,000 hours +R	25 to 63
	HSD	Super low ESR, high ripple current	●		●			●	Radial	105℃ 5,000 hours +R	25 to 63

■ALUMINUM ELECTROLYTIC CAPACITORS

Series			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	85℃,standard	●	●					SMD	85℃ 2,000 hours	4 to 450
		MVE	105℃, standard	●	●				●	SMD	105℃ 1,000 to 2,000 hours	6.3 to 450
	Low Impedance	MZR (Upgrade!)	Super low ESR, downsized		●	●			●	SMD	105℃ 2,000 hours	6.3 to 50
		MZJ	Super low ESR		●	●			●	SMD	105℃ 2,000 hours	6.3 to 35
		MZA	Super low impedance, Case size 4 to 18mm		●	●	●		●	SMD	105℃ 2,000 to 5,000 hours	6.3 to 100
		MVY	Low impedance, standard, Case size 4 to 18mm	●		●			●	SMD	105℃ 1,000 to 5,000 hours	6.3 to 100
		MZF	10,000 hours, Long life, low impedance			●	●			SMD	105℃ 10,000 hours	6.3 to 50
		MZE	7,000/8,000 hours, Long life, low impedance			●	●			SMD	105℃ 7,000 to 8,000 hours	6.3 to 50
		MZK	5,000 hours, Long life, low impedance		●	●	●			SMD	105℃ 5,000 hours	6.3 to 35
		MLA	3,000 hours, Long life, low impedance			●	●			SMD	105℃ 3,000 hours	6.3 to 50
	Long Life	MLF	10,000 hours, Long life				●			SMD	105℃ 10,000 hours	6.3 to 50
		MLE	7,000/8,000 hours, Long life				●			SMD	105℃ 7,000 to 8,000 hours	6.3 to 50
		MLK	5,000 hours, Long life		●		●			SMD	105℃ 5,000 hours	6.3 to 35
		MVL	3,000/5,000 hours, Long life				●			SMD	105℃ 3,000 to 5,000 hours	6.3 to 50
		MVJ	2,000 hours, Long life				●			SMD	105℃ 2,000 hours	6.3 to 50
	Special Application	MHS	125℃, High temperature reflow soldering(3times)		●		●	●	●	SMD	125℃ 5,000 hours	16 to 100
		MVH	125℃, Case size 6.3 to 18mm	●			●	●	●	SMD	125℃ 1,000 to 5,000 hours	10 to 450
		MHL	125℃, Downsized				●	●	●	SMD	125℃ 2,000 to 4,000 hours	10 to 35
		MHB	125℃, Specified ESR after endurance Case size 8 to 18mm					●	●	SMD	125℃ 1,500 to 3,000 hours	10 to 100
		MHJ	125℃, Specified ESR after endurance					●	●	SMD	125℃ 2,000 to 3,000 hours	10 to 35
		MHK	125℃, Specified ESR after endurance					●	●	SMD	125℃ 2,000 hours	35
		MKB	Specified ESR at low temperature						●	SMD	105℃ 3,000 hours	400
		MV-BP	Bi-polar (Ask Engineering Bulletin No.624 in detail)		●					SMD	85℃ 2,000 hours	6.3 to 50
		MVK-BP	Bi-polar (Ask Engineering Bulletin No.624 in detail)		●					SMD	105℃ 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.

CAPACITOR SERIES TABLE, CONTENTS

■ALUMINUM ELECTROLYTIC CAPACITORS

Series			Features	Standard Type	Miniaturization Low profile type	Low impedance	Long life	High temperature	AEC-Q200	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
Radial Lead Type	Low Profile	SRM	85℃, 5mm height, standard	●	●					Radial	85℃ 1,000 hours	4 to 50
		SRE	85℃, 5mm height (Ask Engineering Bulletin No.524 in detail)		●					Radial	85℃ 1,000 hours	4 to 50
		KRE	105℃, 5mm height, standard	●	●					Radial	105℃ 1,000 hours	6.3 to 50
		SRA	85℃, 7mm height (Ask Engineering Bulletin No.524 in detail)		●					Radial	85℃ 1,000 hours	4 to 63
		KMA	105℃, 7mm height, standard	●	●					Radial	105℃ 1,000 hours	4 to 63
		SRG	φ4×7 to φ18×25mm, low profile		●					Radial	85℃ 1,000 to 2,000 hours	6.3 to 50
		KRG	φ4×7 to φ18×25mm, low profile		●					Radial	105℃ 1,000 hours	6.3 to 50
	General Purpose	SMQ	85℃, Downsized		●					Radial	85℃ 2,000 hours	6.3 to 450
		KMQ	105℃, Downsized		●					Radial	105℃ 1,000 to 2,000 hours +R	6.3 to 450
		SMG	85℃, standard	●	●					Radial	85℃ 2,000 hours	6.3 to 450
		KMG	105℃, standard	●	●					Radial	105℃ 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℃ 2,000 hours	6.3 to 100
		KME-BP	Bi-polar, downsized (Ask Engineering Bulletin No.866 in detail)		●					Radial	105℃ 1,000 hours	6.3 to 100
	Power Supply Output, Low Impedance	KZN	Long life, low impedance		●	●	●			Radial	105℃ 6,000 to 10,000 hours +R	6.3 to 100
		KZM	Long life, super low impedance		●	●	●			Radial	105℃ 6,000 to 10,000 hours +R	6.3 to 50
		KZH	Super low impedance, downsized		●	●	●			Radial	105℃ 5,000 to 6,000 hours +R	6.3 to 35
		KZE	Low impedance, downsized		●	●	●			Radial	105℃ 1,000 to 5,000 hours +R	6.3 to 100
		KYC (New!)	Low ESR, downsized		●	●	●		●	Radial	105℃ 3,000 to 5,000 hours +R	16 to 50
		KYB	Low impedance, downsized		●	●	●			Radial	105℃ 4,000 to 10,000 hours +R	6.3 to 100
		KYA	Low impedance, downsized		●	●	●			Radial	105℃ 4,000 to 10,000 hours +R	6.3 to 100
		KY	Low impedance, standard	●		●	●			Radial	105℃ 4,000 to 10,000 hours +R	6.3 to 100
		LZA	Low impedance, downsized		●	●	●		●	Radial	105℃ 4,000 to 7,000 hours +R	6.3 to 35
		LXZ	Low impedance, downsized	●	●	●	●		●	Radial	105℃ 2,000 to 8,000 hours +R	6.3 to 63
		LXY	Low impedance			●	●		●	Radial	105℃ 2,000 to 8,000 hours +R	10 to 63
		LXV	Low impedance			●	●		●	Radial	105℃ 2,000 to 5,000 hours +R	6.3 to 100
	Power Supply Input	KXL	Long life, downsized, for input filtering		●		●			Radial	105℃ 10,000 to 12,000 hours +R	400 to 450
		KXJ	Long life, downsized, for input filtering		●		●		●	Radial	105℃ 8,000 to 12,000 hours +R	160 to 500
		KXG	Long life, downsized, for input filtering	●	●		●			Radial	105℃ 8,000 to 10,000 hours +R	160 to 450
		KWA	Low profile, long life for input filtering		●		●			Radial	105℃ 5,000 hours +R	400 to 450
		KHE	Low profile, high ripple for input filtering		●					Radial	105℃ 2,000 hours +R	400 to 450
		PAG	Low profile, for input filtering		●					Radial	105℃ 2,000 hours +R	200 to 450
		KLJ	No sparks with DC overvoltage, downsized		●					Radial	105℃ 2,000 hours +R	200 to 450
		KXF	Long life, downsized, for input filtering		●		●			Radial	105℃ 15,000/20,000 hours +R	160 to 450
		KXE	Long life, downsized, for input filtering		●		●			Radial	105℃ 10,000 to 12,000 hours +R	160 to 400
	Power Supply Output	LE	Long life, downsized		●		●			Radial	105℃ 10,000 hours +R	10 to 100
		FL	Long life, downsized		●		●			Radial	105℃ 3,000 hours +R	6.3 to 50
	High Temperature	GPA	125/150℃, downsized (Guaranteed short time at 150℃)		●	●	●	●	●	Radial	125℃ 3,000 to 5,000 hours +R	25 to 100
		GVA	125℃, high vibration resistance		●	●	●	●	●	Radial	125℃ 5,000 hours+R	25 to 100
		GXF	125℃,high ripple		●	●		●	●	Radial	125℃ 3,000 hours +R	25 to 400
		GXE	125℃, low impedance, downsized		●	●	●	●	●	Radial	125℃ 2,000 to 5,000 hours +R	10 to 450
		GXL	125℃				●	●	●	Radial	125℃ 5,000 hours +R	10 to 50
		GPD	135/150℃, high ripple (Guaranteed short time at 150℃)		●	●	●	●	●	Radial	135℃ 2,000 to 3,000 hours +R	25 to 100
		GVD	135℃, high vibration resistance		●	●	●	●	●	Radial	135℃ 2,000 to 3,000 hours+R	25 to 100
	Special Application	LBK	For airbag, downsized		●	●	●		●	Radial	105℃ 5,000 hours +R	25 & 35
		LBG	For airbag		●	●	●		●	Radial	105℃ 5,000 hours +R	25 & 35
		PH	For photo flash		●					Radial	55℃ 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.

CAPACITOR SERIES TABLE, CONTENTS

■ALUMINUM ELECTROLYTIC CAPACITORS

Series			Features	Standard Type	Miniaturization Low profile type	High ripple	Long life	Terminal type	Endurance (+R=With ripple)	Rated voltage range (Vdc)
Snap-in Type	General Purpose	SMR	85℃, high ripple, downsized		●	●		Pin	85℃ 2,000 hours +R	400 to 450
		SMQ	85℃, standard	●	●	●		Pin	85℃ 2,000 hours +R	160 to 450
		KMZ	105℃, super downsized		●			Pin	105℃ 2,000 hours +R	420 & 450
		KMW	105℃, super downsized		●			Pin	105℃ 2,000 hours +R	400 to 450
		KMR	105℃, downsized		●	●		Pin	105℃ 2,000 hours +R	160 to 450
		KMQ	105℃, standard	●		●		Pin	105℃ 2,000 hours +R	35, 50, 160 to 450
		RLB	85℃, 5,000 hours , high ripple		●	●		Pin	85℃ 5,000 hours +R	180 to 250
		RLA	85℃, high ripple		●	●		Pin	85℃ 3,000 hours +R	180 to 250
		KLA	105℃, high ripple		●	●		Pin	105℃ 3,000 hours +R	180 to 250
		SMM	85℃, 3,000 hours	●		●	●	Pin	85℃ 3,000 hours +R	160 to 450
		KMT	105℃, high ripple			●		Pin	105℃ 3,000 hours +R	420 & 450
		KHS	105℃, downsized		●	●	●	Pin	105℃ 3,000 hours +R	450 to 500
		KMS (Upgrade!)	105℃, downsized	●	●	●	●	Pin	105℃ 3,000 hours +R	160 to 600
		KMM	105℃, 3,000 hours	●		●	●	Pin	105℃ 3,000 hours +R	160 to 450
		SMH	85℃, standard (Ask Engineering Bulletin No.585 for 160 to 450V)					Pin	85℃ 2,000 hours +R	6.3 to 100
		KMH	105℃, standard (Ask Engineering Bulletin No.584 for 160 to 450V)					Pin	105℃ 2,000 hours +R	6.3 to 100
	Low Profile	KLM	15mm height, low profile (Ask Engineering Bulletin No.855 in detail)		●			Pin	105℃ 2,000 hours +R	160 to 400
	High Temperature	TXH	Long life				●	Pin	105℃ 10,000 hours +R	200 to 450
		LXM	Long life, downsized		●		●	Pin	105℃ 7,000 hours +R	160 to 450
		LHS	Long life, downsized		●	●	●	Pin	105℃ 5,000 hours +R	450 to 500
		LXS (Upgrade!)	Long life, downsized	●	●	●	●	Pin	105℃ 5,000 hours +R	160 to 600
		LXQ	Long life, downsized		●		●	Pin	105℃ 5,000 hours +R	160 to 450
		LXG	Long life				●	Pin	105℃ 5,000 hours +R	10 to 100
	Special Application	CHA	No sparks with DC overvoltage			●		Pin	105℃ 2,000 hours +R	200 to 450
		LXH	No sparks with DC overvoltage (Ask Engineering Bulletin No.856 in detail)		●	●	●	Pin	105℃ 3,000/5,000 hours +R	200 & 400
		KMV	For charge and discharge application					Pin	105℃ 3,000 hours +R	350 to 450
Screw-Mount Type	General Purpose	SME	85℃, standard (Ask Engineering Bulletin No.548 for 160 to 250V)	●				Screw	85℃ 2,000 hours +R	10 to 100
		KMQ	105℃, downsized		●			Screw	105℃ 2,000 hours +R	315 to 450
		KMH	105℃, standard	●				Screw	105℃ 2,000 hours +R	10 to 400
	For Inverter	RWH	High ripple, downsized		●	●	●	Screw	85℃ 5,000 hours +R	350 to 450
		RWG	Long life, high ripple, downsized (Ask Engineering Bulletin No.747 in detail)		●	●	●	Screw	85℃ 5,000 hours +R	350 to 450
		RWF	Long life, high ripple		●	●	●	Screw	85℃ 5,000 hours +R	350 to 450
		RWR	High ripple, downsized		●	●		Screw	85℃ 2,000 hours +R	350 to 450
		RWQ	High ripple, downsized	●	●	●		Screw	85℃ 2,000 hours +R	350 to 550
		RWE	High ripple	●	●	●		Screw	85℃ 2,000 hours +R	350 to 550
		RWY	Long life, high ripple, low cost (Ask Engineering Bulletin No.661 in detail)			●	●	Screw	85℃ 5,000 hours +R	350 to 450
		RWL	Long life, high ripple			●	●	Screw	85℃ 20,000 hours +R	350 to 450
		RHB	85℃, high voltage					Screw	85℃ 2,000 hours +R	575 to 700
		RHA	High voltage, high ripple		●	●	●	Screw	85℃ 5,000 hours +R	500 to 650
		FTP	Ovalized can shape, high ripple		●	●	●	Screw	85℃ 5,000 hours +R	63 to 450
		LXA	105℃, long life		●		●	Screw	105℃ 2,000/5,000 hours +R	10 to 525
		LXR	105℃, long life, high ripple			●	●	Screw	105℃ 5,000 hours +R	350 to 450
		RWV	For charge and discharge application					Screw	85℃ 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	Long life, high ripple		●	●	●	Screw	85℃ 5,000 hours +R	350 to 500
		U37L	Long life, high ripple			●	●	Screw	85℃ 10,000 hours +R	350 to 500
		U37X	Long life, high ripple			●	●	Screw	85℃ 15,000 hours +R	350 to 500
		UTOR	Toroidal shape, long life, high ripple			●	●	Screw	105℃ 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	MELODIO	Surface mount type	●	●	SMD	85℃ 2,000 hours	6.3 to 50
	MAK	MELODIO	105℃, Surface mount type			SMD	105℃ 1,000 hours	6.3 to 50
	ARI	MELODIO	5mm / 7mm height	●	●	Radial	85℃ 1,000 hours	6.3 to 50
	ASG		Standard, downsized		●	Radial	85℃ 2,000 hours	6.3 to 100
	ASH		Standard (Ask Engineering Bulletin No.742 in detail)		●	Radial	85℃ 1,000 hours	6.3 to 100
	AVH	MELODIO	Standard		●	Radial	85℃ 1,000 hours	6.3 to 100
	AWJ		High grade		●	Radial	85℃ 1,000 hours	16 to 100
	SNX-BP		General purpose speaker network		●	Radial	85℃ 1,000 hours	63
	AJ	MELODIO	For input filtering, snap-in type		●	Pin	85℃ 1,000 hours	25 to 25

: Recommendation products