

Series		Features	Endurance (+R=With ripple)	Standard Type	Low impedance	Solvent resistant	Terminal type	Rated voltage range (Vdc)	Capacitance range (μF)	
Conductive Polymer Electrolyte Type	Surface Mount Type	PXK <small>(NEW!)</small>	Super low ESR, high ripple current, downsized	105°C 1,000 to 2,000 hours		●	SMD	2.5 to 16	100 to 560	
		PXS	Long life, super low ESR, high ripple current	105°C 5,000 hours		●	SMD	4 to 16	22 to 560	
		PXF <small>(Upgrade!)</small>	Super low ESR, high ripple current	105°C 2,000 hours		●	SMD	2 to 6.3	150 to 1,000	
		PXE	Super low ESR, high ripple current	105°C 2,000 hours		●	SMD	2.5 to 16	33 to 2,700	
		PXA	Super low ESR, high ripple current	105°C 1,000 to 2,000 hours	●	●	SMD	2.5 to 25	3.3 to 1,500	
		PXH	125°C, super low ESR, high ripple current	125°C 1,000 hours		●	SMD	2.5 to 20	22 to 1,000	
	Radial Lead Type	PSG <small>(NEW!)</small>	Long life, super low ESR, high ripple current	105°C 2,000 to 5,000 hours		●	●	Radial	16 to 20	120 to 1,000
		PSK <small>(NEW!)</small>	Long life, super low ESR, high ripple current	105°C 5,000 hours		●	●	Radial	2.5	220 to 560
		PSF <small>(Upgrade!)</small>	Long life, super low ESR, high ripple current	105°C 5,000 hours		●	●	Radial	2.5 to 16	100 to 1,600
		PSE	Long life, super low ESR, high ripple current	105°C 5,000 hours		●	●	Radial	2.5 to 6.3	470 to 820
		PSC	Super low ESR, high ripple current	105°C 2,000 hours		●	●	Radial	2.5 to 16	270 to 2,700
		PSA	Super low ESR, high ripple current	105°C 2,000 hours	●	●	●	Radial	2.5 to 16	47 to 1,500
		PS	Super low ESR, high ripple current	105°C 2,000 hours	●	●	●	Radial	2.5 to 35	18 to 1,500
	Surface Mount Type	General Purpose	MVA	85°C, standard	85°C 2,000 hours	●	▲	SMD	4 to 450	1.0 to 10,000
MVE			105°C, standard	105°C 1,000 to 2,000 hours	●	▲	SMD	6.3 to 450	1.0 to 6,800	
Low Impedance		MZJ <small>(NEW!)</small>	Super low ESR	105°C 2,000 hours		●	●	SMD	6.3 to 35	10 to 1,800
		MZA	Super low impedance	105°C 2,000 hours		●	●	SMD	6.3 to 80	3.3 to 1,500
		MVY	Low impedance, standard, Case size φ4 to 18mm	105°C 1,000 to 5,000 hours	●	●	▲	SMD	6.3 to 100	1.0 to 8,200
		MZF <small>(NEW!)</small>	10,000 hours, Long life, low impedance	105°C 10,000 hours		●	●	SMD	6.3 to 50	10 to 470
		MZE	7,000/8,000 hours, Long life, low impedance	105°C 7,000 to 8,000 hours		●	●	SMD	6.3 to 50	10 to 470
		MZK <small>(NEW!)</small>	5,000 hours, Long life, low impedance	105°C 5,000 hours		●	●	SMD	6.3 to 35	10 to 150
		MLA	3,000 hours, Long life, low impedance	105°C 3,000 hours		●	●	SMD	6.3 to 50	10 to 1,000
Long Life		MLF <small>(NEW!)</small>	10,000 hours, Long life	105°C 10,000 hours			●	SMD	6.3 to 50	1.0 to 1,000
		MLE	7,000/8,000 hours, Long life	105°C 7,000 to 8,000 hours			●	SMD	6.3 to 50	1.0 to 1,000
		MLK <small>(NEW!)</small>	5,000 hours, Long life	105°C 5,000 hours			●	SMD	6.3 to 35	4.7 to 100
		MVL	3,000/5,000 hours, Long life	105°C 3,000 to 5,000 hours			●	SMD	6.3 to 50	1.0 to 1,000
		MVJ	2,000 hours, Long life	105°C 2,000 hours			●	SMD	6.3 to 50	1.0 to 100
Special Application		MVH	125°C, Case size φ6.3 to 18mm	125°C 1,000 to 5,000 hours	●		▲	SMD	10 to 450	3.3 to 4,700
		MHB <small>(Upgrade!)</small>	125°C, Specified ESR after endurance	125°C 2,000 hours			●	SMD	10 to 35	47 to 470
		MHJ <small>(NEW!)</small>	125°C, Specified ESR after endurance	125°C 2,000 hours			●	SMD	10 to 35	47 to 470
		MKB	Specified ESR at low temperature	105°C 3,000 hours				SMD	400	2.2 to 4.7
		MV-BP	Bi-polar	85°C 2,000 hours			●	SMD	6.3 to 50	1.0 to 47
		MVK-BP	Bi-polar	105°C 1,000 hours			●	SMD	6.3 to 50	1.0 to 47
Radial Lead Type		Low Profile	SRM	5mm height, downsized	85°C 1,000 hours			●	Radial	4 to 50
	SRE		85°C, 5mm height, standard	85°C 1,000 hours	●			Radial	4 to 50	1.0 to 100
	KRE		105°C, 5mm height, standard	105°C 1,000 hours	●	●		Radial	6.3 to 50	1.0 to 100
	SRA		85°C, 7mm height, standard	85°C 1,000 hours	●			Radial	4 to 63	1.0 to 470
	KMA		105°C, 7mm height, standard	105°C 1,000 hours	●	●		Radial	4 to 63	1.0 to 220
	SRG		φ4×7 to φ18×25mm, low profile	85°C 1,000 to 2,000 hours			●	Radial	4 to 50	1.0 to 10,000
	KRG		φ4×7 to φ18×25mm, low profile	105°C 1,000 hours			●	Radial	6.3 to 50	1.0 to 10,000
	General Purpose		SMQ	85°C, Downsized	85°C 2,000 hours				Radial	6.3 to 450
		KMQ	105°C, Downsized	105°C 1,000 to 2,000 hours +R			▲	Radial	6.3 to 450	1.0 to 47,000
		SMG	85°C, standard	85°C 2,000 hours	●		▲	Radial	6.3 to 450	1.0 to 39,000
		KMG	105°C, standard	105°C 1,000 to 2,000 hours +R	●		▲	Radial	6.3 to 450	1.0 to 22,000
		SME-BP	Bi-polar, downsized	85°C 2,000 hours			●	Radial	6.3 to 100	1.0 to 6,800
		KME-BP	Bi-polar, downsized	105°C 1,000 hours			●	Radial	6.3 to 100	1.0 to 6,800
	High Frequency Use	KZM	Long life, super low impedance	105°C 6,000 to 10,000 hours +R	●			Radial	6.3 to 50	27 to 10,000
		KZH	Super low impedance, downsized	105°C 5,000 to 6,000 hours +R	●			Radial	6.3 to 35	47 to 8,200
		KZE	Low impedance, downsized	105°C 1,000 to 5,000 hours +R	●			Radial	6.3 to 100	6.8 to 6,800
		KYA <small>(NEW!)</small>	Low impedance, downsized	105°C 4,000 to 10,000 hours +R	●	●		Radial	6.3 to 100	1 to 15,000
		KY	Low impedance, standard	105°C 4,000 to 10,000 hours +R	●	●		Radial	6.3 to 100	1.0 to 18,000
		LZA <small>(NEW!)</small>	Low impedance, downsized <small>(Ask Engineering Bulletin No804 in detail)</small>	105°C 4,000 to 5,000 hours +R		●	●	Radial	6.3 to 35	330 to 6,800
		LXZ	Low impedance, downsized	105°C 2,000 to 8,000 hours +R	●	●	●	Radial	6.3 to 63	12 to 18,000
		LXY	Low impedance	105°C 2,000 to 8,000 hours +R		●	●	Radial	10 to 63	10 to 8,200
LXV	Low impedance	105°C 2,000 to 5,000 hours +R		●	●	Radial	6.3 to 100	5.6 to 15,000		

● : Recommendation products

▲ : Some of range are solvent resistant.

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Series		Features	Endurance (+R=With ripple)	Standard Type	Low impedance	Solvent resistant	Terminal type	Rated voltage range (V _{dc})	Capacitance range (μF)	
Radial Lead Type	High Reliability	KXJ	Long life, downsized, for input filtering	105°C 10,000 to 12,000 hours +R			Radial	160 to 450	6.8 to 680	
		KXG	Long life, downsized, for input filtering	105°C 8,000 to 10,000 hours +R	●		Radial	160 to 450	6.8 to 330	
		SMH	For input filtering, φ20×20 to φ22×50mm (Ask Engineering Bulletin No808 in detail)	85°C 2,000 hours +R			Radial	160 to 450	33 to 470	
		KMH	For input filtering, φ20×20 to φ22×50mm (Ask Engineering Bulletin No810 in detail)	105°C 2,000 hours +R			Radial	160 to 450	33 to 470	
		PAG	Low profile, for input filtering	105°C 2,000 hours +R			Radial	200 to 450	18 to 560	
		KLJ	No sparks with DC overvoltage, downsized	105°C 2,000 hours +R			Radial	200 & 400	4.7 to 330	
		KLG	No sparks with DC overvoltage	105°C 2,000 hours +R			Radial	200 & 400	22 to 330	
		FL	Long life, downsized	105°C 3,000 hours +R			●	Radial	6.3 to 50	1.0 to 270
		GPA	125°C, low impedance, downsized	125°C 3,000 to 5,000 hours +R	●	●	Radial	25 to 50	470 to 6,800	
		GXE	125°C, low impedance, downsized	125°C 2,000 to 5,000 hours +R	●	▲	Radial	10 to 450	4.7 to 4,700	
		GXL	125°C	125°C 5,000 hours +R			●	Radial	10 to 50	100 to 1,000
	GXH (NEW!)	135°C	135°C 1,500 / 2,000 hours +R			●	Radial	10 to 50	100 to 4,700	
	Special Application	LBG	For airbag	105°C 5,000 hours +R		●	●	Radial	25 & 35	1,000 to 11,000
		KZA	For PC motherboard (Ask Engineering Bulletin No809 in detail)	105°C 2,000 hours +R		●		Radial	6.3 to 16	470 to 3,300
LLA		Low DC leakage, general (Ask Engineering Bulletin No575 in detail)	85°C 1,000 hours			●	Radial	6.3 to 50	1.0 to 15,000	
PH		For photo flash	55°C 5,000 times charging				Radial	300 & 330	—	
Snap-in Type	General Purpose	SMQ	85°C, standard	85°C 2,000 hours +R	●		Pin	160 to 450	82 to 3,900	
		KMW (NEW!)	Super downsized (Ask Engineering Bulletin No806 in detail)	105°C 2,000 hours +R			Pin	400 to 450	120 to 1,000	
		KMR	Super downsized	105°C 2,000 hours +R			Pin	160 to 450	100 to 3,300	
		KMQ	105°C, standard	105°C 2,000 hours +R	●		Pin	35, 50, 160 to 450	68 to 33,000	
		KMT (NEW!)	High ripple (Ask Engineering Bulletin No807 in detail)	105°C 2,000 hours +R			Pin	420 & 450	56 to 470	
		SMM	85°C, 3,000 hours	85°C 3,000 hours +R	●		Pin	160 to 450	47 to 3,300	
		KMS (Upgrade!)	105°C, Downsized	105°C 3,000 hours +R	●		Pin	160 to 500	47 to 3,300	
		KMM	105°C, 2,000/3,000 hours	105°C 2,000 to 3,000 hours +R	●		Pin	160 to 450	39 to 3,300	
		SMH	85°C, standard (Ask Engineering Bulletin No585 for 160 to 450V)	85°C 2,000 hours +R			Pin	6.3 to 100	820 to 100,000	
	KMH	105°C, standard (Ask Engineering Bulletin No584 for 160 to 450V)	105°C 2,000 hours +R			Pin	6.3 to 100	560 to 82,000		
	Low Profile	SLM	15mm height, low profile	85°C 2,000 hours +R			Pin	160 to 400	47 to 560	
		KLM	15mm height, low profile	105°C 2,000 hours +R			Pin	160 to 400	39 to 390	
	High Reliability	LXM	Long life, downsized	105°C 7,000 hours +R			Pin	160 to 450	47 to 2,200	
		LXS	Long life, downsized	105°C 5,000 hours +R	●		Pin	160 to 450	82 to 3,300	
		LXQ	Long life, downsized	105°C 5,000 hours +R			Pin	160 to 450	82 to 2,700	
		LXG	Long life	105°C 5,000 hours +R			Pin	10 to 100	390 to 47,000	
		CHA (Upgrade!)	No sparks with DC overvoltage, downsized	105°C 2,000 hours +R			Pin	200 to 450	56 to 1,200	
		LXH	No sparks with DC overvoltage	105°C 3,000/5,000 hours +R			Pin	200 & 400	68 to 1,500	
KMV (NEW!)	For charge and discharge application	105°C 3,000 hours +R			Pin	350 to 450	82 to 1,200			
Screw-Mount Type	General Purpose	SME	85°C, standard (Ask Engineering Bulletin No548 for 160 to 250V)	85°C 2,000 hours +R	●		Screw	10 to 100	2,200 to 680,000	
		KMH	105°C, standard	105°C 2,000 hours +R	●		Screw	10 to 400	180 to 680,000	
	For Inverter	RWG	Long life, high ripple, downsized	85°C 5,000 hours +R			Screw	350 to 450	1,500 to 18,000	
		RWF	Long life, high ripple	85°C 5,000 hours +R			Screw	350 to 450	820 to 22,000	
		RWQ	High ripple, downsized	85°C 2,000 hours +R	●		Screw	350 to 550	390 to 15,000	
		RWE	High ripple	85°C 2,000 hours +R	●		Screw	350 to 550	100 to 12,000	
		RWY	Long life, high ripple, low cost	85°C 5,000 hours +R			Screw	350 to 450	500 to 14,000	
		RWL	Long life, high ripple	85°C 20,000 hours +R			Screw	350 to 450	2,200 to 12,000	
		FTP	Ellips can shape, high ripple	85°C 5,000 hours +R			Screw	63 to 450	270 to 21,000	
		LXA	105°C, long life	105°C 2,000/5,000 hours +R			Screw	10 to 525	330 to 390,000	
		LXR	105°C, long life, high ripple	105°C 5,000 hours +R			Screw	350 to 450	2,200 to 15,000	
RWV (NEW!)	For charge and discharge application	85°C 5,000 hours +R			Screw	350 to 450	820 to 18,000			

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