



- ODownsized and Longer life from current KXG series
- Endurance with ripple current: 8,000 to 12,000 hours at 105°C
- Rated voltage range: 160 to 500V, Capacitance range: 6.8 to 680µF
- For electronic ballast circuits and other long life applications
- Non solvent resistant type
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.





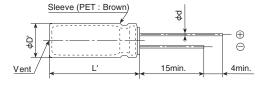


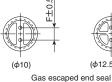
### **SPECIFICATIONS**

Items	Characteristics									
Category Temperature Range	-40 to +105°C (160 to 450V <sub>dc</sub> ) -25 to +105°C (500V <sub>dc</sub> )									
Rated Voltage Range	160 to 500V <sub>dc</sub>									
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)									
Leakage Current	After 1 minute After 5 minutes									
	CV≦1000	I=0.1CV+40		I=0.03CV+1	15					
	CV>1000	I=0.04CV+100		I=0.02CV+2	25					
	Where, I: Max. leakage of	ge current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)								
Dissipation Factor	Rated voltage (V <sub>dc</sub> )	160 to 250V	35	0 to 500V						
(tan δ)	tan δ (Max.)	0.20		0.24			(at 2	0℃, 120Hz)		
Low Temperature	Rated voltage (V <sub>dc</sub> )	160 to 250V	3	50, 400V	420 t	to 500V				
Characteristics	Z(−25°C)/Z(+20°C)	3		5		6				
(Max. Impedance Ratio)	Z(−40°C)/Z(+20°C)	6		6		_		(at 120Hz)		
Endurance							°C after subjected to DC voltage w	ith the rated		
	ripple current is applied(th				d voltage	e) for the sp		, I		
	Rated voltage (V <sub>dc</sub> )		0 to 45				500V			
	Time	16L to 20L : 10,000ho	ours, 25	L to 50L: 12,00	0hours	$\phi$ 10 : 8,000	Ohours, φ12.5 to φ18: 10.000hours			
	Capacitance change	$\leq \pm 20\%$ of the init	ial valı	ne						
	D.F. (tan $\delta$ )	≦200% of the initial specified value								
	Leakage current	≦The initial specified value								
Shelf Life		s shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	$\leq \pm 20\%$ of the init	ial valı	ue						
	D.F. (tan $\delta$ )	≦200% of the initia	al spec	ified value	]					
	Leakage current	≦500% of the initia	al spec	ified value						

## **◆DIMENSIONS** [mm]

# ●Terminal Code : E

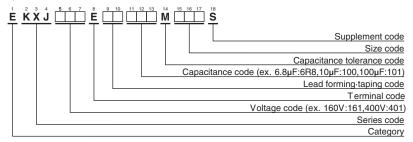






φD	10	12.5	14.5	16	18			
φd	0.6	0.6	0.8	0.8	0.8			
F	5.0	5.0	7.5	7.5	7.5			
φD'	φD+0.5max.							
L'	L+1.5max.							

### **◆PART NUMBERING SYSTEM**



Please refer to "Product code guide (radial lead type)"





# **STANDARD RATINGS**

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (mArms/105°C, 120Hz)	Part No.	WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (mArms/105°C, 120Hz)	Part No.
	39	10×16	0.20	245	EKXJ161E□□390MJ16S		27	10×16	0.20	200	EKXJ221E□□270MJ16S
	56	10×20	0.20	315	EKXJ161E□□560MJ20S		39	10×20	0.20	265	EKXJ221E 390MJ20S
	82	10×25	0.20	415	EKXJ161E B20MJ25S		56	10×25	0.20	345	EKXJ221E 560MJ25S
	82 100	10×30 12.5×20	0.20	445 575	EKXJ161E B20MJ30S EKXJ161E 101MK20S		56 68	10×30 12.5×20	0.20	370 475	EKXJ221E□□560MJ30S EKXJ221E□□680MK20S
	120	10×35	0.20	570	EKXJ161E 121MJ35S		82	10×35	0.20	470	EKXJ221E 820MJ35S
	120	14.5×20	0.20	675	EKXJ161E 121MU20S		82	14.5×20	0.20	555	EKXJ221E B20MU20S
	150	10×40	0.20	665	EKXJ161E□□151MJ40S		100	10×40	0.20	545	EKXJ221E□□101MJ40S
	150	10×45	0.20	695	EKXJ161E□□151MJ45S		100	10×45	0.20	565	EKXJ221E□□101MJ45S
	150	12.5×25	0.20	765	EKXJ161E 151MK25S		100	12.5×25	0.20	625	EKXJ221E 101MK25S
	180	10×50	0.20	785	EKXJ161E 181MJ50S		120	10×50	0.20	645	EKXJ221E 121MJ50S
	180 180	12.5×30 14.5×25	0.20	885 890	EKXJ161E□□181MK30S EKXJ161E□□181MU25S		120 120	12.5×30 14.5×25	0.20	725 725	EKXJ221E□□121MK30S EKXJ221E□□121MU25S
	180	16×20	0.20	855	EKXJ161E 181ML20S		120	16×20	0.20	695	EKXJ221E 121MU233
	220	12.5×35	0.20	1,040	EKXJ161E 221MK35S		150	12.5×35	0.20	860	EKXJ221E 151MK35S
	220	16×25	0.20	1,020	EKXJ161E□□221ML25S		150	16×25	0.20	845	EKXJ221E□□151ML25S
	220	18×20	0.20	990	EKXJ161E□□221MM20S		150	18×20	0.20	815	EKXJ221E□□151MM20S
160	270	12.5×40	0.20	1,190	EKXJ161E□□271MK40S	220	180	12.5×40	0.20	975	EKXJ221E□□181MK40S
	270	12.5×45	0.20	1,230	EKXJ161E 271MK45S		180	12.5×45	0.20	1,005	EKXJ221E 181MK45S
	270	14.5 × 31.5	0.20	1,170 1,210	EKXJ161E□□271MUN3S EKXJ161E□□271MUP1S		180	14.5×31.5 12.5×50	0.20	955	EKXJ221E 181MUN3S
	270 330	14.5 × 35.5 12.5 × 50	0.20	1,400	EKXJ161E 331MK50S		220 220	14.5 × 35.5	0.20	1,145 1,095	EKXJ221E□□221MK50S EKXJ221E□□221MUP1S
	330	14.5×40	0.20	1,385	EKXJ161E 331MU40S		220	14.5×40	0.20	1,130	EKXJ221E 221MU40S
	330	16×31.5	0.20	1,350	EKXJ161E 331MLN3S		220	16×31.5	0.20	1,100	EKXJ221E 221MLN3S
	330	18×25	0.20	1,290	EKXJ161E□□331MM25S		220	18×25	0.20	1,050	EKXJ221E□□221MM25S
	390	14.5×45	0.20	1,545	EKXJ161E□□391MU45S		270	14.5×45	0.20	1,285	EKXJ221E□□271MU45S
	390	16×35.5	0.20	1,500	EKXJ161E□□391MLP1S		270	14.5×50	0.20	1,315	EKXJ221E□□271MU50S
	470	14.5×50	0.20	1,735	EKXJ161E 471MU50S		270	16×35.5	0.20	1,245	EKXJ221E 271MLP1S
	470	16×40 16×45	0.20	1,700	EKXJ161E 471ML40S		270	18×31.5	0.20	1,260	EKXJ221E 271MMN3S
	470 470	18×31.5	0.20	1,730 1,660	EKXJ161E□□471ML45S EKXJ161E□□471MMN3S		330 330	16×40 16×45	0.20	1,425 1,450	EKXJ221E□□331ML40S EKXJ221E□□331ML45S
	470	18×35.5	0.20	1,715	EKXJ161E 471MMP1S		330	18×35.5	0.20	1,440	EKXJ221E 331MMP1S
	560	16×50	0.20	1,920	EKXJ161E 561ML50S		390	16×50	0.20	1,600	EKXJ221E 391ML50S
	560	18×40	0.20	1,905	EKXJ161E□□561MM40S		390	18×40	0.20	1,590	EKXJ221E□□391MM40S
	680	18×45	0.20	2,130	EKXJ161E□□681MM45S		390	18×45	0.20	1,620	EKXJ221E□□391MM45S
	680	18×50	0.20	2,145	EKXJ161E□□681MM50S		470	18×50	0.20	1,785	EKXJ221E 471MM50S
	27	10×16	0.20	200	EKXJ201E 270MJ16S		22	10×16	0.20	185	EKXJ251E 220MJ16S
	47 56	10×20 10×25	0.20	290 345	EKXJ201E□□470MJ20S EKXJ201E□□560MJ25S		33 47	10×20 10×25	0.20	240 315	EKXJ251E□□330MJ20S EKXJ251E□□470MJ25S
	68	10×25	0.20	405	EKXJ201E 680MJ30S		47	10×25 10×30	0.20	340	EKXJ251E 470MJ30S
	82	12.5×20	0.20	520	EKXJ201E B20MK20S		56	12.5×20	0.20	430	EKXJ251E 560MK20S
	100	10×35	0.20	520	EKXJ201E□□101MJ35S		68	10×35	0.20	430	EKXJ251E□□680MJ35S
	100	12.5×25	0.20	625	EKXJ201E□□101MK25S		68	14.5×20	0.20	505	EKXJ251E□□680MU20S
	100	14.5×20	0.20	615	EKXJ201E□□101MU20S		82	10×40	0.20	495	EKXJ251E□□820MJ40S
	120	10×40	0.20	595	EKXJ201E 121MJ40S		82	10×45	0.20	515	EKXJ251E 820MJ45S
	120 120	10×45	0.20	620	EKXJ201E 121MJ45S		82 100	12.5×25	0.20	565 585	EKXJ251E B20MK25S
	120	12.5×30 16×20	0.20	725 695	EKXJ201E □ □ 121MK30S EKXJ201E □ □ 121ML20S		100	10×50 12.5×30	0.20	660	EKXJ251E□□101MJ50S EKXJ251E□□101MK30S
	150	10×50	0.20	720	EKXJ201E 151MJ50S		100	14.5×25	0.20	665	EKXJ251E 101MU25S
	150	12.5×35	0.20	860	EKXJ201E□□151MK35S	i	100	16×20	0.20	635	EKXJ251E 101ML20S
	150	14.5×25	0.20	810	EKXJ201E□□151MU25S		120	12.5×35	0.20	770	EKXJ251E□□121MK35S
	180	14.5×31.5	0.20	955	EKXJ201E□□181MUN3S		120	16×25	0.20	755	EKXJ251E 121ML25S
	180	16×25	0.20	925	EKXJ201E 181ML25S		120	18×20	0.20	730	EKXJ251E 121MM20S
200	180 220	18×20 12.5×40	0.20	895 1,075	EKXJ201E □ □ 181MM20S EKXJ201E □ □ 221MK40S	250	150 150	12.5×40 12.5×45	0.20	890 920	EKXJ251E□□151MK40S EKXJ251E□□151MK45S
	220	12.5 × 45	0.20	1,110	EKXJ201E 221MK45S		150	14.5×31.5	0.20	870	EKXJ251E 151MK455
	220	14.5×35.5	0.20	1,095	EKXJ201E 221MUP1S		180	12.5×50	0.20	1,035	EKXJ251E□□181MK50S
	220	18×25	0.20	1,050	EKXJ201E□□221MM25S		180	14.5×35.5	0.20	990	EKXJ251E 181MUP1S
	270	12.5×50	0.20	1,265	EKXJ201E□□271MK50S		180	14.5×40	0.20	1,020	EKXJ251E□□181MU40S
	270	14.5×40	0.20	1,250	EKXJ201E□□271MU40S		180	16×31.5	0.20	995	EKXJ251E□□181MLN3S
	270	14.5×45	0.20	1,290	EKXJ201E 271MU45S		180	18×25	0.20	950	EKXJ251E 181MM25S
	270	16×31.5	0.20	1,220	EKXJ201E 271MLN3S		220	14.5×45	0.20	1,160	EKXJ251E 221MU45S
	270 330	16×35.5 14.5×50	0.20	1,250	EKXJ201E□□271MLP1S EKXJ201E□□331MU50S		220 220	14.5×50	0.20	1,185	EKXJ251E□ □221MU50S EKXJ251E□ □221MLP1S
	330	16×40	0.20	1,450 1,425	EKXJ201E 331MU50S EKXJ201E 331ML40S		220	16×35.5 18×31.5	0.20	1,125 1,135	EKXJ251E 221MMN3S
	330	18×31.5	0.20	1,395	EKXJ201E 331MMN3S		270	16×31.3	0.20	1,135	EKXJ251E 271ML40S
	390	16×45	0.20	1,575	EKXJ201E 391ML45S		270	16×45	0.20	1,310	EKXJ251E 271ML45S
	390	18×35.5	0.20	1,565	EKXJ201E□□391MMP1S		270	18×35.5	0.20	1,300	EKXJ251E□□271MMP1S
	470	16×50	0.20	1,755	EKXJ201E□□471ML50S		330	16×50	0.20	1,475	EKXJ251E□□331ML50S
	470	18×40	0.20	1,745	EKXJ201E 471MM40S		330	18×40	0.20	1,460	EKXJ251E 331MM40S
	470	18×45	0.20	1,770	EKXJ201E 471MM45S		330	18×45	0.20	1,485	EKXJ251E 331MM45S
	560	18×50	0.20	1,945	EKXJ201E□□561MM50S		390	18×50	0.20	1,625	EKXJ251E□□391MM50S

 $\square\,\square$  : Enter the appropriate lead forming or taping code.





## **STANDARD RATINGS**

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (mArms/105°C, 120Hz)	Part No.	WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (mArms/105°C, 120Hz)	Part No.
	12	10×16	0.24	135	EKXJ351E□□120MJ16S		6.8	10×16	0.24	105	EKXJ421E□□6R8MJ16S
	22	10×20	0.24	200	EKXJ351E 220MJ20S		12	10×20	0.24	150	EKXJ421E 120MJ20S
	27	10×25	0.24	240	EKXJ351E 270MJ25S		15	10×25 10×30	0.24	185	EKXJ421E 150MJ25S
	27 33	10×30 12.5×20	0.24	255 330	EKXJ351E□□270MJ30S EKXJ351E□□330MK20S		18 22	10 × 30 12.5 × 20	0.24	215 285	EKXJ421E□□180MJ30S EKXJ421E□□220MK20S
	39	10×35	0.24	325	EKXJ351E 390MJ35S		27	10×35	0.24	275	EKXJ421E 270MJ35S
	47	10×40	0.24	375	EKXJ351E 470MJ40S		27	10×40	0.24	290	EKXJ421E□□270MJ40S
	47	12.5×25	0.24	425	EKXJ351E□□470MK25S		27	12.5×25	0.24	340	EKXJ421E□□270MK25S
	47	14.5×20	0.24	420	EKXJ351E□□470MU20S		27	14.5×20	0.24	335	EKXJ421E□□270MU20S
	56	10×45	0.24	425	EKXJ351E□□560MJ45S		33	10×45	0.24	335	EKXJ421E□□330MJ45S
	56	12.5×30	0.24	495	EKXJ351E□□560MK30S		33	12.5×30	0.24	400	EKXJ421E 330MK30S
	56	16×20	0.24	475	EKXJ351E 560ML20S		33	16×20	0.24	385	EKXJ421E 330ML20S
	68 68	10×50 12.5×35	0.24	485 580	EKXJ351E□□680MJ50S EKXJ351E□□680MK35S		39 39	10×50 14.5×25	0.24	375 435	EKXJ421E□□390MJ50S EKXJ421E□□390MU25S
	68	14.5×25	0.24	545	EKXJ351E 680MU25S		47	12.5×35	0.24	505	EKXJ421E 470MK35S
	68	18×20	0.24	550	EKXJ351E 680MM20S		47	16×25	0.24	500	EKXJ421E 470ML25S
	82	12.5×40	0.24	655	EKXJ351E B20MK40S		47	18×20	0.24	480	EKXJ421E 470MM20S
050	82	14.5×31.5	0.24	645	EKXJ351E□□820MUN3S	400	56	12.5×40	0.24	570	EKXJ421E□□560MK40S
350	82	16×25	0.24	625	EKXJ351E□□820ML25S	420	56	12.5×45	0.24	590	EKXJ421E□□560MK45S
	100	12.5×45	0.24	750	EKXJ351E□□101MK45S		56	14.5×31.5	0.24	560	EKXJ421E□□560MUN3S
	100	12.5×50	0.24	770	EKXJ351E□□101MK50S		68	12.5×50	0.24	670	EKXJ421E□□680MK50S
	100	14.5 × 35.5	0.24	740	EKXJ351E 101MUP1S		68	14.5 × 35.5	0.24	640	EKXJ421E 680MUP1S
	100	16×31.5 18×25	0.24	740 710	EKXJ351E□□101MLN3S EKXJ351E□□101MM25S		68 68	14.5×40 16×31.5	0.24	660 645	EKXJ421E 680MU40S
	120	14.5×40	0.24	835	EKXJ351E 101MW255		68	18×25	0.24	615	EKXJ421E□□680MLN3S EKXJ421E□□680MM25S
	120	14.5×45	0.24	860	EKXJ351E 121MU45S		82	14.5×45	0.24	750	EKXJ421E B20MU45S
	120	16×35.5	0.24	830	EKXJ351E 121MLP1S		82	16×35.5	0.24	725	EKXJ421E□□820MLP1S
	150	14.5×50	0.24	980	EKXJ351E□□151MU50S		82	18×31.5	0.24	730	EKXJ421E□□820MMN3S
	150	16×40	0.24	960	EKXJ351E□□151ML40S		100	14.5×50	0.24	845	EKXJ421E□□101MU50S
	150	16×45	0.24	975	EKXJ351E□□151ML45S		100	16×40	0.24	825	EKXJ421E□□101ML40S
	150	18×31.5	0.24	940	EKXJ351E□□151MMN3S		100	16×45	0.24	840	EKXJ421E□□101ML45S
	180	16×50	0.24	1,090	EKXJ351E 181ML50S		100	18×35.5	0.24	835	EKXJ421E 101MMP1S
	180 180	18×35.5 18×40	0.24	1,065 1,080	EKXJ351E 181MMP1S		120 120	16×50 18×40	0.24	935 930	EKXJ421E 121ML50S
	220	18×45	0.24	1,210	EKXJ351E□□181MM40S EKXJ351E□□221MM45S		120	18×45	0.24	930	EKXJ421E□□121MM40S EKXJ421E□□121MM45S
	220	18×50	0.24	1,220	EKXJ351E 221MM50S		150	18×50	0.24	1,060	EKXJ421E 151MM50S
	10	10×16	0.24	125	EKXJ401E 100MJ16S		6.8	10×16	0.24	105	EKXJ451E□□6R8MJ16S
	18	10×20	0.24	180	EKXJ401E□□180MJ20S	İ	12	10×20	0.24	150	EKXJ451E□□120MJ20S
	22	10×25	0.24	215	EKXJ401E□□220MJ25S		15	10×25	0.24	185	EKXJ451E□□150MJ25S
	27	10×30	0.24	255	EKXJ401E□□270MJ30S		18	10×30	0.24	215	EKXJ451E 180MJ30S
	27	12.5×20	0.24	300	EKXJ401E 270MK20S		18	12.5×20	0.24	255	EKXJ451E 180MK20S
	33	10×35	0.24	300	EKXJ401E 330MJ35S		22	10×35 10×40	0.24	250	EKXJ451E 220MJ35S
	39 39	10×40 10×45	0.24	340 355	EKXJ401E□□390MJ40S EKXJ401E□□390MJ45S		27 27	10×40 10×45	0.24	290 305	EKXJ451E□ □ 270MJ40S   EKXJ451E□ □ 270MJ45S
	39	12.5×25	0.24	390	EKXJ401E 390MK25S		27	12.5×25	0.24	340	EKXJ451E 270MK25S
	39	14.5×20	0.24	385	EKXJ401E 390MU20S		27	14.5×20	0.24	335	EKXJ451E□□270MU20S
	47	12.5×30	0.24	455	EKXJ401E□□470MK30S	i	33	12.5×30	0.24	400	EKXJ451E□□330MK30S
	47	16×20	0.24	435	EKXJ401E□□470ML20S		33	14.5×25	0.24	400	EKXJ451E□□330MU25S
	56	10×50	0.24	440	EKXJ401E□□560MJ50S		33	16×20	0.24	385	EKXJ451E□□330ML20S
	56	12.5 × 35	0.24	525	EKXJ401E 560MK35S		39	10×50	0.24	375	EKXJ451E 390MJ50S
	56 56	14.5×25 18×20	0.24	495 500	EKXJ401E□□560MU25S EKXJ401E□□560MM20S		39 39	12.5×35 18×20	0.24	460 440	EKXJ451E□□390MK35S EKXJ451E□□390MM20S
	68	12.5×40	0.24	600	EKXJ401E 680MK40S		47	12.5×40	0.24	525	EKXJ451E 470MK40S
	68	14.5×31.5	0.24	585	EKXJ401E 680MUN3S		47	14.5×31.5	0.24	515	EKXJ451E 470MUN3S
400	68	16×25	0.24	570	EKXJ401E□□680ML25S	450	47	16×25	0.24	500	EKXJ451E□□470ML25S
	82	12.5×45	0.24	680	EKXJ401E□□820MK45S	i	56	12.5×45	0.24	590	EKXJ451E□□560MK45S
	82	12.5×50	0.24	700	EKXJ401E□□820MK50S		56	14.5×35.5	0.24	580	EKXJ451E□□560MUP1S
	82	14.5×35.5	0.24	670	EKXJ401E□□820MUP1S		56	16×31.5	0.24	585	EKXJ451E□□560MLN3S
	82	16×31.5	0.24	670	EKXJ401E B20MLN3S		56	18×25	0.24	560	EKXJ451E 560MM25S
	82 100	18×25 14.5×40	0.24	640 760	EKXJ401E□□820MM25S EKXJ401E□□101MU40S		68 68	12.5×50 14.5×40	0.24	670 660	EKXJ451E□□680MK50S EKXJ451E□□680MU40S
	100	14.5 × 40 14.5 × 45	0.24	760	EKXJ401E 101MU40S EKXJ401E 101MU45S		68	14.5 × 40 14.5 × 45	0.24	680	EKXJ451E 680MU45S
	100	16×35.5	0.24	760	EKXJ401E 101MU433		68	16×35.5	0.24	660	EKXJ451E 680MLP1S
	120	14.5×50	0.24	875	EKXJ401E 121MU50S		82	14.5×50	0.24	765	EKXJ451E B20MU50S
	120	16×40	0.24	860	EKXJ401E□□121ML40S		82	16×40	0.24	750	EKXJ451E□□820ML40S
	120	16×45	0.24	875	EKXJ401E□□121ML45S		82	16×45	0.24	760	EKXJ451E□□820ML45S
	120	18×31.5	0.24	840	EKXJ401E□□121MMN3S		82	18×31.5	0.24	730	EKXJ451E□□820MMN3S
	120	18×35.5	0.24	870	EKXJ401E 121MMP1S		100	16×50	0.24	855	EKXJ451E 101ML50S
	150	16×50	0.24	995	EKXJ401E 151ML50S		100	18×35.5	0.24	835	EKXJ451E 101MMP1S
	150 180	18×40 18×45	0.24	985 1,095	EKXJ401E□□151MM40S EKXJ401E□□181MM45S		120 120	18×40 18×45	0.24	930 945	EKXJ451E□□121MM40S EKXJ451E□□121MM45S
	220	18×45 18×50	0.24		EKXJ401E \Bigcup 181MM45S EKXJ401E \Bigcup 221MM50S		150	18×45 18×50	0.24	1,060	EKXJ451E 121MM45S EKXJ451E 151MM50S
	220	10 / 30	0.24	1,660	LIVIOTO I L L L L ZZ I IVIIVI DUS		130	10 ^ 30	0.24	1,000	LIVO-21 FF TO HAMINISO 2

 $\square$  : Enter the appropriate lead forming or taping code.





### **STANDARD RATINGS**

WV (V <sub>dc</sub> )	Cap (µF)	Case size φD×L(mm)	tan δ	Rated ripple current (mArms/105°C, 120Hz)	Part No.
	6.8	10×20	0.24	90	EKXJ501E□□6R8MJ20S
	8.2	10 × 25	0.24	110	EKXJ501E□□8R2MJ25S
	10	10×30	0.24	130	EKXJ501E□□100MJ30S
	12	12.5 × 20	0.24	135	EKXJ501E□□120MK20S
	15	10×35	0.24	170	EKXJ501E□□150MJ35S
	15	10 × 40	0.24	175	EKXJ501E□□150MJ40S
500	15	12.5 × 25	0.24	165	EKXJ501E□□150MK25S
500	18	10 × 45	0.24	190	EKXJ501E□□180MJ45S
	18	$12.5 \times 30$	0.24	190	EKXJ501E□□180MK30S
	22	10×50	0.24	230	EKXJ501E□□220MJ50S
	22	12.5 × 35	0.24	220	EKXJ501E□□220MK35S
	27	12.5 × 40	0.24	260	EKXJ501E□□270MK40S
	33	12.5 × 45	0.24	285	EKXJ501E□□330MK45S
	39	12.5 × 50	0.24	330	EKXJ501E□□390MK50S

 $<sup>\</sup>square\,\square$  : Enter the appropriate lead forming or taping code.

## **◆**RATED RIPPLE CURRENT MULTIPLIERS

### Frequency Multipliers

(160 to 450V<sub>dc</sub>)

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
6.8 to 82	1.00	1.75	2.25	2.50
100 to 680	1.00	1.67	2.05	2.25

(500V<sub>dc</sub>)

Capacitance(μF) Frequency(Hz)	120	1k	10k	100k
6.8 to 22	1.00	1.78	2.30	2.59
27 to 39	1.00	1.75	2.25	2.50

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every  $5^{\circ}$ C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.