



- Downsized from KY series
- Newly innovative electrolyte is employed to minimize impedance
- Endurance with ripple current: 4,000 to 10,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant



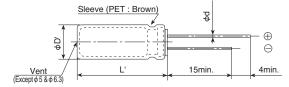


SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-40 to +105℃											
Rated Voltage Range	6.3 to 100V _{dc}											
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)											
Leakage Current	I	I=0.01CV or 3μA, whichever is greater. Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)										
Dissipation Factor	Rated volta	ge (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	100V		
(tan δ)	tan δ (Max.	.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08		
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each						ach 1,000μF increase.	(at 20℃, 120Hz)				
Low Temperature	Rated voltage (Vdc)		6.3V	10V	16V	25V	35V	50V	63V	100V		
Characteristics (Max. Impedance Ratio)	Z(-25°C)/Z(+20°C)		4	3	2	2	2	2	2	2		
(wax. impedance hallo)	Z(-40°C)/Z(-	8	6	4	3	3	3	3	3		(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the re											
	- ' '							ceed the rated voltage) for the specified period of time at 105°C.				
	Time		φ5 & 6.3 : 4,000hours φ8 & 10 : 6,000hours φ12.5 to 16 : 8,000hours									
		16 to 100V	lc	φ5 & 6.3 : 5,000hours φ8 & 10 : 7,000hours φ12.5 to 16 : 10,000hours								
	Capacitance	e change		≦±25% of the initial value								
	D.F. (tan δ))		≦20	0% of t	he initi	al spec	ified va	alue			
	Leakage current ≤The initial specified value											
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C with							500 hours at 105°C without				
	voltage appl	ied. Before the	measi	ıremen	t, the c	apacito	r shall b	e prec	onditio	ned by	applying voltage according to	o Item 4.1 of JIS C 5101-4.
	Capacitance	e change		≦±ź	25% of	the ini	tial valu	ıe				
	D.F. (tan δ))		≦20	0% of t	he initi	al spec	ified va	lue			
	Leakage current ≦The initial specified value											

◆DIMENSIONS [mm]

●Terminal Code : E



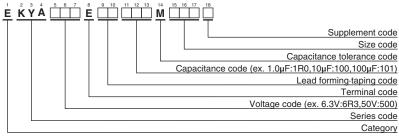


Gas escape end seal



φD	5	6.3	8	10	12.5	16		
φd	0.5	0.5	0.6	0.6	0.6	0.8		
F	2.0	2.5	3.5	5.0	5.0	7.5		
φD'	φD+0.5max.							
L'	L+1.5max.							

◆PART NUMBERING SYSTEM



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





STANDARD RATINGS

(Vdc)	100 180 220 330 470 820 1,200 1,500 1,800 2,700 3,300	5×11 5×11 5×11 5×11 6.3×11 6.3×11 8×11.5 10×12.5 8×15 8×20	0.90 0.40 0.40 0.22 0.22 0.13	-10°C 3.6 1.6 1.6 0.87	(mArms/ 105°C, 100kHz) 150 250	Part No.	(V _{dc})	(μ F)	φD×L(mm)			Rated ripple current (mArms/ 105℃, 100kHz)	Part No.
6.3	180 220 330 470 820 1,200 1,500 1,800 2,700 3,300	5×11 5×11 6.3×11 6.3×11 8×11.5 10×12.5 8×15	0.40 0.40 0.22 0.22 0.13	1.6 1.6 0.87	250				φD×L(mm)	20℃	-10℃		
6.3	220 330 470 820 1,200 1,500 1,800 2,700 3,300	5×11 6.3×11 6.3×11 8×11.5 10×12.5 8×15	0.40 0.22 0.22 0.13	1.6 0.87	-	EKYA6R3E 101ME11D		3,300	16×25	0.021	0.060	2,930	EKYA250E 332ML25S
6.3	330 470 820 1,200 1,500 1,800 2,700 3,300	6.3×11 6.3×11 8×11.5 10×12.5 8×15	0.22 0.22 0.13	0.87		EKYA6R3E 181ME11D	25	3,900	16×25	0.021	0.060	2,930	EKYA250E 392ML25S
6.3	470 820 1,200 1,200 1,500 1,800 2,700 3,300	6.3×11 8×11.5 10×12.5 8×15	0.22 0.13		250 400	EKYA6R3E□□221ME11D EKYA6R3E□□331MF11D		4,700 5,600	16×31.5 16×35.5	0.017	0.050	3,450 3,610	EKYA250E □ □ 472MLN3S EKYA250E □ □ 562MLP1S
6.3	820 1,200 1,200 1,500 1,800 2,700 3,300	8×11.5 10×12.5 8×15	0.13	0.87	400	EKYA6R3E 471MF11D		33	5×11	0.40	1.6	250	EKYA350E 330ME11D
6.3	1,200 1,200 1,500 1,800 2,700 3,300	10×12.5 8×15		0.52	640	EKYA6R3E B21MHB5D		47	5×11	0.40	1.6	250	EKYA350E 470ME11D
6.3	1,200 1,500 1,800 2,700 3,300		0.080	0.32	865	EKYA6R3E 122MJC5S		100	6.3×11	0.22	0.87	400	EKYA350E 101MF11D
6.3	1,800 2,700 3,300	8×20	0.087	0.35	840	EKYA6R3E□□122MH15D		220	8×11.5	0.13	0.52	640	EKYA350E□□221MHB5D
0.3	2,700 3,300		0.069	0.27	1,050	EKYA6R3E□□152MH20D		270	8×15	0.087	0.35	840	EKYA350E□□271MH15D
-	3,300	10×16	0.060	0.24	1,300	EKYA6R3E□□182MJ16S		330	10×12.5	0.080	0.32	865	EKYA350E□□331MJC5S
-		10×20	0.046	0.18	1,400	EKYA6R3E□□272MJ20S		390	8×20	0.069	0.27	1,050	EKYA350E□□391MH20D
-		10×25	0.042	0.17	1,650	EKYA6R3E□□332MJ25S	35	470	10×16	0.060	0.24	1,300	EKYA350E□□471MJ16S
-	3,900	12.5×20	0.035	0.12	1,900	EKYA6R3E 392MK20S		680	10×20	0.046	0.18	1,400	EKYA350E 681MJ20S
-	4,700	12.5×25	0.027	0.089	2,230	EKYA6R3E 472MK25S		820	10×25	0.042	0.17	1,650	EKYA350E 821MJ25S
\ \	5,600 10,000	12.5×25 16×25	0.027	0.089	2,230 2,930	EKYA6R3E□□562MK25S EKYA6R3E□□103ML25S		1,000 1,500	12.5×20 12.5×25	0.035	0.12	1,900 2,230	EKYA350E□□102MK20S EKYA350E□□152MK25S
	12,000	16×25 16×31.5	0.021	0.050	3,450	EKYA6R3E 123MLN3S		2,200	16×25	0.027	0.069	2,230	EKYA350E 222ML25S
. F	15,000	16×35.5	0.017	0.030	3,610	EKYA6R3E 153MLP1S		2,700	16×25	0.021	0.060	2,930	EKYA350E 272ML25S
	100	5×11	0.90	3.6	150	EKYA100E 101ME11D		3,300	16×31.5	0.017	0.050	3,450	EKYA350E 332MLN3S
	120	5×11	0.40	1.6	250	EKYA100E 121ME11D		3,900	16×35.5	0.015	0.044	3,610	EKYA350E□□392MLP1S
ĺ	330	6.3×11	0.22	0.87	400	EKYA100E□□331MF11D		1.0	5×11	4.0	16	30	EKYA500E□□1R0ME11D
	560	8×11.5	0.13	0.52	640	EKYA100E□□561MHB5D		2.2	5×11	2.5	10	43	EKYA500E□□2R2ME11D
	820	8×15	0.087	0.35	840	EKYA100E□□821MH15D		3.3	5×11	2.2	8.8	53	EKYA500E□□3R3ME11D
	820	10×12.5	0.080	0.32	865	EKYA100E□□821MJC5S		4.7	5×11	1.9	7.6	88	EKYA500E□□4R7ME11D
	1,000	10×12.5	0.080	0.32	865	EKYA100E 102MJC5S	50	10	5×11	1.5	6.0	100	EKYA500E 100ME11D
10	1,200	8×20	0.069	0.27	1,050	EKYA100E 122MH20D		22	5×11	0.70	2.8	180	EKYA500E 220ME11D
. F	1,200 1,800	10×16 10×20	0.060	0.24	1,300 1,400	EKYA100E 122MJ16S EKYA100E 182MJ20S		27 47	5×11 6.3×11	0.70	2.8 1.2	250 295	EKYA500E□□270ME11D EKYA500E□□470MF11D
, F	2,200	10×20	0.046	0.18	1,650	EKYA100E 222MJ25S		56	6.3×11	0.30	1.2	295	EKYA500E 560MF11D
.	3,300	12.5×20	0.035	0.12	1,900	EKYA100E 332MK20S		100	8×11.5	0.17	0.68	555	EKYA500E 101MHB5D
, t	3,900	12.5×25	0.027	0.089	2,230	EKYA100E 392MK25S		150	8×15	0.12	0.48	730	EKYA500E 151MH15D
ı	6,800	16×25	0.021	0.060	2,930	EKYA100E□□682ML25S		180	10×12.5	0.12	0.48	760	EKYA500E□□181MJC5S
	10,000	16×31.5	0.017	0.050	3,450	EKYA100E□□103MLN3S		180	8×20	0.091	0.36	910	EKYA500E□□181MH20D
	12,000	16×35.5	0.015	0.044	3,610	EKYA100E□□123MLP1S		220	10×16	0.084	0.34	1,050	EKYA500E□□221MJ16S
	47	5×11	0.40	1.6	250	EKYA160E□□470ME11D		330	10×20	0.060	0.24	1,220	EKYA500E□□331MJ20S
	100	5×11	0.40	1.6	250	EKYA160E 101ME11D		470	10×25	0.055	0.22	1,440	EKYA500E 471MJ25S
, l	220	6.3×11	0.22	0.87	400	EKYA160E 221MF11D		470	12.5×20	0.045	0.15	1,660	EKYA500E 471MK20S
, l	270 470	6.3×11 8×11.5	0.22	0.87	400 640	EKYA160E 271MF11D EKYA160E 471MHB5D		560 820	12.5×20 12.5×25	0.045	0.15	1,660 1,950	EKYA500E □ □ 561MK20S EKYA500E □ □ 821MK25S
	680	8×15	0.13	0.35	840	EKYA160E 681MH15D		1,000	16×25	0.034	0.11	2,555	EKYA500E 102ML25S
.	680	10×12.5	0.080	0.32	865	EKYA160E 681MJC5S		1,200	16×25	0.025	0.075	2,555	EKYA500E 122ML25S
i I	820	8×20	0.069	0.27	1,050	EKYA160E□□821MH20D		1,800	16×31.5	0.022	0.066	3,010	EKYA500E□□182MLN3S
16	1,000	10×16	0.060	0.24	1,300	EKYA160E□□102MJ16S		2,200	16×35.5	0.019	0.057	3,150	EKYA500E□□222MLP1S
16	1,500	10×20	0.046	0.18	1,400	EKYA160E□□152MJ20S		10	5×11	0.88	3.5	173	EKYA630E□□100ME11D
	1,800	10×25	0.042		1,650	EKYA160E□□182MJ25S		15	5×11	0.88	3.5	173	EKYA630E□□150ME11D
	2,200	12.5×20	0.035		1,900	EKYA160E 222MK20S		33	6.3×11	0.35	1.4	278	EKYA630E 330MF11D
. F	3,300	12.5×25	0.027	0.089	2,230	EKYA160E 332MK25S		56	8×11.5	0.22	0.88	500	EKYA630E 560MHB5D
. F	4,700	16×25	0.021	0.060	2,930	EKYA160E 472ML25S		82	8×15	0.16	0.64	665	EKYA630E B20MH15D EKYA630E 101MJC5S
, l	5,600 6,800	16×25 16×31.5	0.021	0.060	2,930 3,450	EKYA160E 562ML25S EKYA160E 682MLN3S		100 120	10×12.5 8×20	0.11	0.44	725 820	EKYA630E 121MH20D
. F	8,200	16×31.5	0.017	0.050	3,450	EKYA160E B22MLN3S		120	10×16	0.12	0.40	950	EKYA630E 121MJ16S
, F	10,000	16×35.5	0.017		3,610	EKYA160E 103MLP1S	63	220	10×10	0.056	0.23	1,200	EKYA630E 221MJ20S
	33	5×11	0.40	1.6	250	EKYA250E 330ME11D		330	10×25	0.046	0.19	1,350	EKYA630E□□331MJ25S
ı	47	5×11	0.40	1.6	250	EKYA250E□□470ME11D		330	12.5×20	0.041	0.13	1,570	EKYA630E□□331MK20S
	68	5×11	0.40	1.6	250	EKYA250E□□680ME11D		390	12.5×20	0.041	0.13	1,570	EKYA630E□□391MK20S
	150	6.3×11	0.22	0.87	400	EKYA250E□□151MF11D		470	12.5×25	0.031	0.093	1,990	EKYA630E□□471MK25S
	330	8×11.5	0.13	0.52	640	EKYA250E□□331MHB5D		560	12.5×25	0.031	0.093	1,990	EKYA630E□□561MK25S
	390	8×15	0.087		840	EKYA250E□□391MH15D		1,000	16×25	0.025	0.075	2,730	EKYA630E□□102ML25S
25	470	10×12.5	0.080		865	EKYA250E 471MJC5S		1,200	16×31.5	0.021	0.063	2,850	EKYA630E 122MLN3S
	560	8×20	0.069		1,050	EKYA250E 561MH20D		1,500	16×35.5	0.019	0.057	2,900	EKYA630E 152MLP1S
-	680	10×16	0.060		1,300	EKYA250E = 681MJ16S		1.0	5×11	4.5	15	20	EKYA101E 1R0ME11D
-	1,000 1,200	10×20 10×25	0.046		1,400 1,650	EKYA250E□□102MJ20S EKYA250E□□122MJ25S	100	2.2 3.3	5×11 5×11	3.0 2.7	13 11	30 40	EKYA101E□□2R2ME11D EKYA101E□□3R3ME11D
-	1,500	10.5×20	0.042		1,900	EKYA250E 152MK20S	100	4.7	5×11	2.7	10	65	EKYA101E 4R7ME11D
-		12.5×25	0.033		2,230	EKYA250E 222MK25S		6.8	5×11	1.4	5.6	125	EKYA101E 6R8ME11D

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





STANDARD RATINGS

wv	Сар	Case size		dance /100kHz)	Rated ripple current	Part No.	
(V _{dc})	(μF)	φD×L(mm)	20℃	-10℃	(mArms/ 105℃, 100kHz)		
	10	6.3×11	0.57	2.3	205	EKYA101E□□100MF11D	
	15	6.3×11	0.57	2.3	205	EKYA101E□□150MF11D	
	27	8×11.5	0.36	1.4	355	EKYA101E□□270MHB5D	
	39	8×15	0.25	1.0	450	EKYA101E□□390MH15D	
	47	10×12.5	0.17	0.66	480	EKYA101E□□470MJC5S	
	56	8×20	0.19	0.76	565	EKYA101E□□560MH20D	
100	68	10×16	0.11	0.47	600	EKYA101E□□680MJ16S	
1100	100	10×20	0.084	0.34	800	EKYA101E□□101MJ20S	
	150	10×25	0.069	0.28	900	EKYA101E□□151MJ25S	
	180	12.5×20	0.062	0.18	1,100	EKYA101E□□181MK20S	
	220	12.5×25	0.047	0.14	1,250	EKYA101E□□221MK25S	
	330	16×25	0.038	0.12	1,700	EKYA101E□□331ML25S	
	470	16×31.5	0.032	0.095	1,850	EKYA101E□□471MLN3S	
	560	16×35.5	0.029	0.086	2,000	EKYA101E□□561MLP1S	

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

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
1.0 to 180	0.40	0.75	0.90	1.00
220 to 560	0.50	0.85	0.94	1.00
680 to 1,800	0.60	0.87	0.95	1.00
2,200 to 3,900	0.75	0.90	0.95	1.00
4,700 to	0.85	0.95	0.98	1.00

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