



- Downsized from KY series
- Newly innovative electrolyte is employed to minimize impedance
- Endurance with ripple current : 6,000 to 10,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant

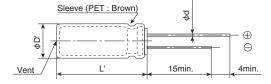


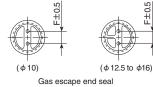
SPECIFICATIONS

Items	Characteristics														
Category Temperature Range	-40 to +105℃														
Rated Voltage Range	6.3 to 100V _{dc}														
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)														
Leakage Current	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					
$(\tan \delta)$	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 1,000μF increase. (at 20°C, 120Hz)														
Low Temperature	Rated voltage (Vdc)		6.3V	10V	16V	25V	35V	50V	63V	100V					
Characteristics	Z(-25°C)/Z(+20°C)		4	3	2	2	2	2	2	2					
(Max. Impedance Ratio)	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														
	ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105°C									the specified period of time at 105°C.					
	Time 6.3 to 10V _{dc} φ 10 : 6,000hours φ 12.5 to 1								: 8,000						
		16 to 100Vd	С	φ10	: 7,000	hours	φ12.5	to 16	: 10,00	<u> </u>					
	Capacitance	≦±ź	25% of	the ini	tial valu	ıe									
	D.F. (tan δ)	≦20	0% of t	he initi	al spec	ified va	alue								
	Leakage cu	rrent		≦The initial specified value											
Shelf Life	helf Life The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500										0°C after exposing them for 500 hours at 105°C without				
	voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.									applying voltage according to Item 4.1 of JIS C 5101-4.					
	Capacitance	≦±25% of the initial value													
	D.F. (tan δ)			≤200% of the initial specified value											
	Leakage current			≦The initial specified value											

◆DIMENSIONS [mm]

●Terminal Code : E





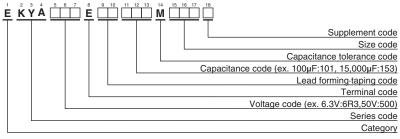
 φD
 10
 12.5
 16

 φd
 0.6
 0.6
 0.8

 F
 5.0
 5.0
 7.5

 φD'
 φD+0.5max.
 L+1.5max.

◆PART NUMBERING SYSTEM



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





STANDARD RATINGS

WV (Vdc)	Сар	Case size φD×L(mm)	Impedance (Ω max./100kHz)		Rated ripple current		wv	Cap (µF)	Case size φD×L(mm)	Impedance (Ω max./100kHz)		Rated ripple current	-
	(μ F)		20℃	-10℃	(mArms/ 105℃, 100kHz)					20℃	-10℃	(mArms/ 105℃, 100kHz)	Part No.
	1,200	10×12.5	0.080	0.32	865	EKYA6R3E□□122MJC5S		330	10×12.5	0.080	0.32	865	EKYA350E□□331MJC5S
	1,800	10×16	0.060	0.24	1,300	EKYA6R3E□□182MJ16S		470	10×16	0.060	0.24	1,300	EKYA350E□□471MJ16S
	2,700	10×20	0.046	0.18	1,400	EKYA6R3E□□272MJ20S		680	10×20	0.046	0.18	1,400	EKYA350E□□681MJ20S
6.3	3,300	10×25	0.042	0.17	1,650	EKYA6R3E□□332MJ25S		820	10×25	0.042	0.17	1,650	EKYA350E□□821MJ25S
	3,900	12.5×20	0.035	0.12	1,900	EKYA6R3E□□392MK20S	35	1,000	12.5×20	0.035	0.12	1,900	EKYA350E□□102MK20S
	4,700	12.5×25	0.027	0.089	2,230	EKYA6R3E□□472MK25S		1,500	12.5×25	0.027	0.089	2,230	EKYA350E□□152MK25S
	5,600	12.5×25	0.027	0.089	2,230	EKYA6R3E□□562MK25S		2,200	16×25	0.021	0.060	2,930	EKYA350E□□222ML25S
	10,000	16×25	0.021	0.060	2,930	EKYA6R3E□□103ML25S		2,700	16×25	0.021	0.060	2,930	EKYA350E□□272ML25S
	12,000	16×31.5	0.017	0.050	3,450	EKYA6R3E 123MLN3S		3,300	16×31.5	0.017	0.050	3,450	EKYA350E□□332MLN3S
	15,000	16×35.5	0.015	0.044	3,610	EKYA6R3E 153MLP1S		3,900	16×35.5	0.015	0.044	3,610	EKYA350E□□392MLP1S
	820	10×12.5	0.080	0.32	865	EKYA100E B21MJC5S	50	180	10×12.5	0.12	0.48	760	EKYA500E 181MJC5S
	1,000	10×12.5	0.080	0.32	865	EKYA100E 102MJC5S		220	10×16	0.084	0.34	1,050	EKYA500E 221MJ16S
	1,200	10×16	0.060	0.24	1,300	EKYA100E 122MJ16S		330	10×20	0.060	0.24	1,220	EKYA500E□□331MJ20S
	1,800	10×20	0.046	0.18	1,400	EKYA100E 182MJ20S		470	10×25	0.055	0.22	1,440	EKYA500E 471MJ25S
10	2,200	10×25	0.042	0.17	1,650	EKYA100E 222MJ25S		470	12.5×20	0.045	0.15	1,660	EKYA500E 471MK20S
	3,300	12.5×20	0.035	0.12	1,900	EKYA100E 332MK20S		560	12.5×20	0.045	0.15	1,660	EKYA500E□□561MK20S
	3,900	12.5×25	0.027	0.089	2,230	EKYA100E 392MK25S		820	12.5×25	0.034	0.11	1,950	EKYA500E B21MK25S
	6,800	16×25	0.021	0.060	2,930	EKYA100E 682ML25S		1,000	16×25	0.025	0.075	2,555	EKYA500E 102ML25S
	10,000	16×31.5	0.017	0.050	3,450	EKYA100E 103MLN3S		1,200	16×25	0.025	0.075	2,555	EKYA500E 122ML25S
	12,000	16×35.5	0.015	0.044	3,610	EKYA100E = 123MLP1S		1,800	16×31.5	0.022	0.066	3,010	EKYA500E 182MLN3S
	1,000	10×12.5 10×16	0.080	0.32	865 1,300	EKYA160E = 681MJC5S	63	2,200 100	16×35.5 10×12.5	0.019	0.057	3,150 725	EKYA500E□□222MLP1S EKYA630E□□101MJC5S
	1,500	10×16 10×20	0.060	0.24	1,400	EKYA160E□□102MJ16S EKYA160E□□152MJ20S		120	10×12.5	0.11	0.44	950	EKYA630E 121MJ16S
	1,800	10×20	0.046	0.18	1,650	EKYA160E 182MJ25S		220	10×16	0.076	0.31	1,200	EKYA630E 221MJ20S
	2,200	12.5×20	0.042	0.17	1,900	EKYA160E 222MK20S		330	10×25	0.036	0.23	1,350	EKYA630E 331MJ25S
16	3,300	12.5×25	0.033	0.12	2,230	EKYA160E 332MK25S		330	12.5×20	0.046	0.19	1,570	EKYA630E 331MK20S
10	4.700	16×25	0.027	0.069	2,230	EKYA160E 472ML25S		390	12.5×20	0.041	0.13	1,570	EKYA630E□□391MK20S
	5,600	16×25	0.021	0.060	2,930	EKYA160E 562ML25S		470	12.5×25	0.041	0.13	1,990	EKYA630E□□471MK25S
	6,800	16×31.5	0.021	0.050	3,450	EKYA160E 682MLN3S		560	12.5×25	0.031	0.093	1,990	EKYA630E□□561MK25S
	8.200	16×31.5	0.017	0.050	3,450	EKYA160E B22MLN3S		1.000	16×25	0.031	0.093	2,730	EKYA630E 102ML25S
	10,000	16×35.5	0.017	0.030	3,610	EKYA160E 103MLP1S		1,200	16×31.5	0.023	0.073	2,850	EKYA630E 122MLN3S
\vdash	470	10×33.5	0.013	0.32	865	EKYA250E 471MJC5S		1,500	16×35.5	0.021	0.003	2,900	EKYA630E 152MLP1S
	680	10×12.3	0.060	0.32	1.300	EKYA250E 681MJ16S		47	10×33.5	0.013	0.66	480	EKYA101E 470MJC5S
	1,000	10×10	0.000	0.18	1,400	EKYA250E 102MJ20S	100	68	10×16	0.17	0.47	600	EKYA101E 680MJ16S
25	1,200	10×25	0.040	0.10	1,650	EKYA250E 122MJ25S		100	10×10	0.084	0.34	800	EKYA101E 101MJ20S
	1,500	12.5×20	0.042	0.17	1,900	EKYA250E 152MK20S		150	10×25	0.069	0.28	900	EKYA101E 151MJ25S
	2.200	12.5×25	0.003	0.089	2.230	EKYA250E 222MK25S			12.5×20	0.062	0.18	1,100	EKYA101E 181MK20S
	3,300	16×25	0.021	0.069	2,230	EKYA250E 332ML25S	100	220	12.5×25	0.002	0.14	1.250	EKYA101E 221MK25S
	3,900	16×25	0.021	0.060	2,930	EKYA250E 392ML25S		330	16×25	0.038	0.14	1,700	EKYA101E 331ML25S
	4.700	16×31.5	0.021	0.050	3.450	EKYA250E 472MLN3S		470	16×31.5	0.032	0.095	1.850	EKYA101E 471MLN3S
	5,600	16×35.5	0.017	0.030	3,610	EKYA250E 562MLP1S		560	16×35.5	0.032	0.086	2,000	EKYA101E 561MLP1S
ш	5,000	10 / 33.5	0.015	0.044	J 5,010	LIVI MEDUL - 1002IVILE 19		300	10 / 33.5	0.023	0.000	2,000	EKTATOTE - DOTIVIET 13

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

◆RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
47 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 deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
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 - non-conforming product, or in other ways deemed necessary. In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming and Packaging
Available Terminals for Snap-in and Screw Mount Type

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