



- New highly reliable electrolyte is employed to minimize ESR and maximize ripple current.
- For motercycle ACG starter.
- Endurance with ripple current : 3,000 to 5,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.



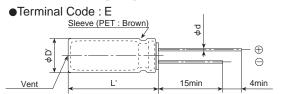
◆SPECIFICATIONS

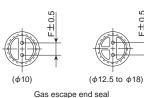
Items	Characteristics										
Category Temperature Range	-40 to +105℃										
Rated Voltage Range	16 to 100V _{dc}										
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)										
Leakage Current	I=0.01CV or 3µA, whichever is greater.										
	Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)										
Dissipation Factor	Rated voltage (Vdc)	16V	25V	35V	50V	63V	80V	100V			
(tan δ)	tan δ (Max.)	0.16	0.14	0.12	0.10	0.09	0.09	0.08			
	When nominal capacitance exceeds 1,000µF, add 0.02 to the value above for each 1,000µF increase. (at 20℃, 120Hz)										
Low Temperature	Rated voltage (Vdc)	16V	25V	35V	50V	63V	80V	100V			
Characteristics	Z (-25°C) / Z (+20°C)	3	2	2	2	2	2	2			
(Max. Impedance Ratio)	Z (-40°C) / Z (+20°C)	8	5	4	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 rated										
	ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours (3,000 hours for φ10) at 105°C.										
	Capacitance change $\leq \pm 25\%$ of the initial value										
	D.F. (tan δ)	≦200	% of th	ne initia	l speci						
	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 without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.										
	Capacitance change	≦±25% of the initial value									
	D.F. (tan δ)	≦200% of the initial specified value					lue				
	Leakage current	≦The initial specified value									

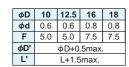
^{*}Note: If any doubts arises, measure the leakage current after carrying out the following voltage treatment.

Voltage treatment: DC rated voltage is applied to the capacitors for 30 to 60 minutes at room temperature.

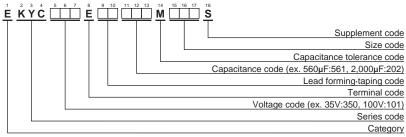
◆DIMENSIONS [mm]







◆PART NUMBERING SYSTEM



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

KYC series is the product, based on AEC-Q200 standard, for specific applications or market such as compact mobility. Please contact us when selecting KYC series for the important applications related to automotive or its safety.





STANDARD RATINGS

WV (Vdc)	Cap (µF)	Case size φD×L(mm)	ESR (Ω max./ 20°C, 100kHz)	Rated ripple current (mArms/ 105°C, 100kHz)	Part No.	WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	ESR (Ω max./ 20°C, 100kHz)	Rated ripple current (mArms/ 105°C, 100kHz)	Part No.
	910	10×12.5	0.14	1,120	EKYC160E□□911MJC5S	П	470	12.5×20	0.050	2,150	EKYC630E□□471MK20S
i i	1,300	10×16	0.10	1,570	EKYC160E□□132MJ16S	80 -	680	12.5×25	0.037	2,820	EKYC630E□□681MK25S
	2,000	10×20	0.065	1,940	EKYC160E□□202MJ20S		820	16×20	0.038	2,530	EKYC630E□□821ML20S
16	3,300	12.5×20	0.050	2,150	EKYC160E□□332MK20S		910	12.5×30	0.029	3,120	EKYC630E□□911MK30S
	4,700	12.5×25	0.037	2,820	EKYC160E ☐ ☐ 472MK25S		1,000	12.5×35	0.025	3,300	EKYC630E□□102MK35S
	5,600	12.5×30	0.029	3,120	EKYC160E□□562MK30S		1,200	16×25	0.031	3,240	EKYC630E□□122ML25S
	5,600	16×20	0.038	2,530	EKYC160E□□562ML20S		1,200	18×20	0.037	2,700	EKYC630E□□122MM20S
	6,800	18×20	0.037	2,700	EKYC160E□□682MM20S		1,300	12.5×40	0.021	3,600	EKYC630E□□132MK40S
	7,500	16×25	0.031	3,240	EKYC160E□□752ML25S		1,500	16×30	0.025	3,580	EKYC630E□□152ML30S
	9,100	16×30	0.025	3,580	EKYC160E□□912ML30S		1,600	18×25	0.030	3,350	EKYC630E□□162MM25S
	10,000	18×25	0.030	3,350	EKYC160E 103MM25S		1,800	16×35	0.022	3,800	EKYC630E□□182ML35S
\square	12,000	18×30	0.024	3,710	EKYC160E 123MM30S		2,000	18×30	0.024	3,700	EKYC630E 202MM30S
	560	10×12.5	0.14	1,120	EKYC250E□□561MJC5S		2,400	16×40	0.018	4,100	EKYC630E□□242ML40S
	820	10×16	0.10	1,570	EKYC250E□□821MJ16S		2,400	18×35	0.021	4,000	EKYC630E 242MM35S
	1,300	10×20	0.065	1,940	EKYC250E □ □ 132MJ20S		3,300	18×40	0.017	4,300	EKYC630E 332MM40S
	2,000	12.5×20	0.050	2,150	EKYC250E 202MK20S		100	10×12.5	0.14	1,120	EKYC800E 101MJC5S
	3,000	12.5×25	0.037	2,820	EKYC250E 302MK25S		150	10×16	0.10	1,570	EKYC800E 151MJ16S
25	3,600	16×20	0.038	2,530	EKYC250E 362ML20S		220	10×20	0.065	1,940	EKYC800E 221MJ20S
	3,900	12.5×30	0.029	3,120	EKYC250E 392MK30S		330	12.5×20	0.050	2,150	EKYC800E 331MK20S
	4,700	18×20	0.037	2,700	EKYC250E 472MM20S		470	12.5×25	0.037	2,820	EKYC800E 471MK25S
	5,100 6,200	16×25 16×30	0.031 0.025	3,240 3,580	EKYC250E □ □ 512ML25S EKYC250E □ □ 622ML30S		620 680	16×20 12.5×30	0.038 0.029	2,530 3,120	EKYC800E 621ML20S EKYC800E 681MK30S
	6,200	18×25	0.025	3,350	EKYC250E 622MM25S		680	12.5 × 30	0.029	3,300	EKYC800E 681MK35S
	8,200	18×30	0.030	3,710	EKYC250E B22MM30S		820	18×20	0.025	2,700	EKYC800E B21MM20S
\vdash	390	10×30 10×12.5	0.024	1,120	EKYC350E 391MJC5S		910	16×25	0.037	3,240	EKYC800E 911ML25S
	560	10×12.3	0.14	1,570	EKYC350E 561MJ16S		1,000	12.5×40	0.031	3,600	EKYC800E 102MK40S
	820	10×10	0.065	1,940	EKYC350E = 821MJ20S		1,200	16×30	0.021	3,580	EKYC800E 122ML30S
	1,300	12.5×20	0.050	2,150	EKYC350E□□132MK20S		1,200	18×25	0.030	3,350	EKYC800E 122MM25S
1 1	1,800	12.5×25	0.037	2,820	EKYC350E□□182MK25S		1,300	16×35	0.022	3,800	EKYC800E 132ML35S
	2,200	16×20	0.038	2,530	EKYC350E 222ML20S		1,500	18×30	0.024	3,700	EKYC800E 152MM30S
35	2,400	12.5×30	0.029	3,120	EKYC350E 242MK30S		1,800	16×40	0.018	4,100	EKYC800E 182ML40S
	3,000	18×20	0.037	2,700	EKYC350E 302MM20S		1,800	18×35	0.021	4,000	EKYC800E 182MM35S
	3,300	16×25	0.031	3,240	EKYC350E 332ML25S		2,400	18×40	0.017	4,300	EKYC800E 242MM40S
	3,900	16×30	0.025	3,580	EKYC350E□□392ML30S		68	10×12.5	0.14	1,120	EKYC101E□□680MJC5S
	4,300	18×25	0.030	3,350	EKYC350E□□432MM25S		100	10×16	0.10	1,570	EKYC101E□□101MJ16S
1 1	5,100	18×30	0.024	3,710	EKYC350E□□512MM30S		150	10×20	0.065	1,940	EKYC101E□□151MJ20S
	180	10×12.5	0.14	1,120	EKYC500E□□181MJC5S		220	12.5×20	0.050	2,150	EKYC101E□□221MK20S
	300	10×16	0.10	1,570	EKYC500E□□301MJ16S		330	12.5×25	0.037	2,820	EKYC101E□□331MK25S
	430	10×20	0.065	1,940	EKYC500E□□431MJ20S		390	12.5×30	0.029	3,120	EKYC101E□□391MK30S
50	680	12.5×20	0.050	2,150	EKYC500E□□681MK20S		390	16×20	0.038	2,530	EKYC101E□□391ML20S
	910	12.5×25	0.037	2,820	EKYC500E□□911MK25S		470	12.5×35	0.025	3,300	EKYC101E□□471MK35S
	1,200	16×20	0.038	2,530	EKYC500E□□122ML20S		560	12.5×40	0.021	3,600	EKYC101E□□561MK40S
	1,300	12.5×30	0.029	3,120	EKYC500E□□132MK30S		560	16×25	0.031	3,240	EKYC101E□□561ML25S
	1,500	18×20	0.037	2,700	EKYC500E□□152MM20S		560	18×20	0.037	2,700	EKYC101E□□561MM20S
	1,600	16×25	0.031	3,240	EKYC500E □ □ 162ML25S		680	16×30	0.025	3,580	EKYC101E□□681ML30S
	2,000	16×30	0.025	3,580	EKYC500E □ □ 202ML30S		820	16×35	0.022	3,800	EKYC101E B21ML35S
	2,200	18×25	0.030	3,350	EKYC500E 222MM25S		820	18×25	0.030	3,350	EKYC101E B21MM25S
\square	2,700	18×30	0.024	3,710	EKYC500E 272MM30S		1,000	18×30	0.024	3,700	EKYC101E 102MM30S
	150	10×12.5	0.14	1,120	EKYC630E□□151MJC5S		1,200	16×40	0.018	4,100	EKYC101E 122ML40S
63	220	10×16	0.10	1,570	EKYC630E 221MJ16S		1,200	18×35	0.021	4,000	EKYC101E 122MM35S
	330	10×20	0.065	1,940	EKYC630E□□331MJ20S		1,500	18×40	0.017	4,300	EKYC101E 152MM40S

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

PRATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
68 to 150	0.40	0.75	0.90	1.00
180 to 220	0.40	0.82	0.93	1.00
300 to 560	0.50	0.85	0.94	1.00
620 to 2,000	0.60	0.87	0.95	1.00
2,200 to 4,300	0.75	0.90	0.95	1.00
4,700 to 12,000	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.

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