



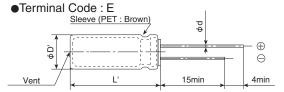
- New highly reliable electrolyte is employed to minimize ESR and maximize ripple current.
- For motercycle ACG starter.
- Endurance with ripple current: 3,000 to 5,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test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

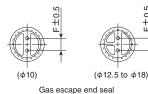


SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-40 to +105℃									
Rated Voltage Range	16 to 50V _{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					
(tan δ)	tan δ (Max.)	0.16	0.14	0.12	0.10					
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz)									
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (Vdc)	16V	25V	35V	50V					
	Z (-25°C) / Z (+20°C)	3	2	2	2					
	Z (-40°C) / Z (+20°C)	8	5	4	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 ϕ 10) at 105°C.									
	Capacitance change	≤±25% of the initial value								
	D.F. (tan δ)	≦200% of the initial specified value				d value				
	Leakage current	≦The	initial	specific	ed valu					
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 withou 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	\leq ±25% of the initial value			al valu					
	D.F. (tan δ)	≦200% of the initial specified value			l speci	d value				
	Leakage current	≦The	initial	specifi	ed valu					

◆DIMENSIONS [mm]





 φD
 10
 12.5
 16
 18

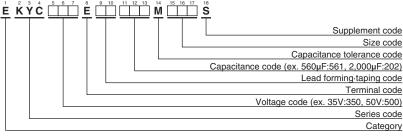
 φd
 0.6
 0.6
 0.8
 0.8

 F
 5.0
 5.0
 7.5
 7.5

 φD'
 ΦD+0.5max.

 L'
 L+1.5max.

◆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 (V _{dc})	Cap (µF)	Case size φD×L(mm)	ESR (Ω max./ 20°C, 100kHz)	Rated ripple current (mArms/ 105°C, 100kHz)	Part No.	WV (Vdc)	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		390	10×12.5	0.14	1,120	EKYC350E□□391MJC5S
	1,300	10×16	0.10	1,570	EKYC160E□□132MJ16S		560	10×16	0.10	1,570	EKYC350E□□561MJ16S
	2,000	10×20	0.065	1,940	EKYC160E□□202MJ20S		820	10×20	0.065	1,940	EKYC350E□□821MJ20S
	3,300	12.5×20	0.050	2,150	EKYC160E□□332MK20S		1,300	12.5×20	0.050	2,150	EKYC350E□□132MK20S
	4,700	12.5×25	0.037	2,820	EKYC160E□□472MK25S		1,800	12.5×25	0.037	2,820	EKYC350E□□182MK25S
16	5,600	12.5×30	0.029	3,120	EKYC160E□□562MK30S	35	2,200	16×20	0.038	2,530	EKYC350E□□222ML20S
"	5,600	16×20	0.038	2,530	EKYC160E□□562ML20S		2,400	12.5×30	0.029	3,120	EKYC350E□□242MK30S
	6,800	18×20	0.037	2,700	EKYC160E□□682MM20S		3,000	18×20	0.037	2,700	EKYC350E□□302MM20S
	7,500	16×25	0.031	3,240	EKYC160E□□752ML25S		3,300	16×25	0.031	3,240	EKYC350E□□332ML25S
	9,100	16×30	0.025	3,580	EKYC160E□□912ML30S		3,900	16×30	0.025	3,580	EKYC350E□□392ML30S
	10,000	18×25	0.030	3,350	EKYC160E□□103MM25S		4,300	18×25	0.030	3,350	EKYC350E□□432MM25S
	12,000	18×30	0.024	3,710	EKYC160E□□123MM30S		5,100	18×30	0.024	3,710	EKYC350E□□512MM30S
	560	10×12.5	0.14	1,120	EKYC250E□□561MJC5S	50	180	10×12.5	0.14	1,120	EKYC500E□□181MJC5S
	820	10×16	0.10	1,570	EKYC250E□□821MJ16S		300	10×16	0.10	1,570	EKYC500E□□301MJ16S
	1,300	10×20	0.065	1,940	EKYC250E□□132MJ20S		430	10×20	0.065	1,940	EKYC500E□□431MJ20S
	2,000	12.5×20	0.050	2,150	EKYC250E□□202MK20S		680	12.5×20	0.050	2,150	EKYC500E□□681MK20S
25	3,000	12.5×25	0.037	2,820	EKYC250E□□302MK25S		910	12.5×25	0.037	2,820	EKYC500E□□911MK25S
	3,600	16×20	0.038	2,530	EKYC250E□□362ML20S		1,200	16×20	0.038	2,530	EKYC500E□□122ML20S
	3,900	12.5×30	0.029	3,120	EKYC250E□□392MK30S		1,300	12.5×30	0.029	3,120	EKYC500E□□132MK30S
	4,700	18×20	0.037	2,700	EKYC250E□□472MM20S		1,500	18×20	0.037	2,700	EKYC500E□□152MM20S
	5,100	16×25	0.031	3,240	EKYC250E□□512ML25S		1,600	16×25	0.031	3,240	EKYC500E□□162ML25S
	6,200	16×30	0.025	3,580	EKYC250E□□622ML30S		2,000	16×30	0.025	3,580	EKYC500E□□202ML30S
	6,200	18×25	0.030	3,350	EKYC250E□□622MM25S		2,200	18×25	0.030	3,350	EKYC500E□□222MM25S
	8,200	18×30	0.024	3,710	EKYC250E□□822MM30S		2,700	18×30	0.024	3,710	EKYC500E□□272MM30S

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

PRATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
180	0.40	0.82	0.93	1.00
300 to 560	0.50	0.85	0.94	1.00
680 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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- 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.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
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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