ELNA — Miniature Aluminum Electrolytic Capacitors RQA series

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Guaranteed 1000 hours at 150℃.
- High temperature capacitor.
- Environmental : GREEN CAP™ , RoHS compliance.

High temperature

RQA ⇦ RKB

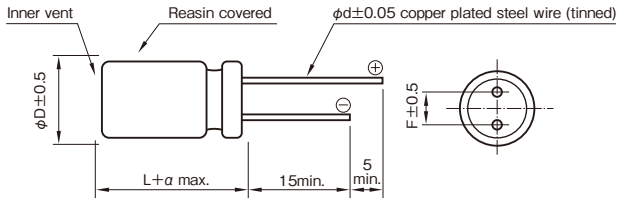
Marking color : Black print

Specifications

Item	Performance
Category temperature range (℃)	−40 to +150
Tolerance at rated capacitance (%)	±20 (20℃,120Hz)
Leakage current (μA) (max.)	0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF), V : Rated voltage (V) (20℃)
Tangent of loss angle (tanδ)	Rated voltage (V): 10 / 16 / 25 / 35 tanδ (max.): 0.20 / 0.16 / 0.14 / 0.12 0.02 is added to every 1000μF increase over 1000μF. (20℃,120Hz)
Characteristics at high and low temperature	Rated voltage (V): 10 / 16 / 25 / 35 Impedance ratio (max.) Z−40℃/Z+20℃: 4 / 3 / 3 / 3 (120Hz)
Endurance (150℃) (Applied ripple current)	Test time: 1000 hours Leakage current: The initial specified value or less Percentage of capacitance change: Within ±30% of initial value Tangent of the loss angle: 300% or less of the initial specified value
Shelf life (150℃)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1
Applicable standards	JIS C5101 - 1, - 4 (IEC 60384 - 1, - 4)

Outline Drawing

Unit : mm



ϕD	10	12.5	16	18
F	5.0	5.0	7.5	7.5
ϕd	0.6	0.6	0.8	0.8
α	2.0	2.0	2.0	2.0

Coefficient of Frequency for Rated Ripple Current

Rated capacitance (μF) \ Frequency (Hz)	50・60	120	1k	10k・100k
220 to 330	0.55	0.65	0.85	1
470 to 1000	0.70	0.75	0.90	1
2200 to 4700	0.80	0.85	0.95	1

Product code system : 35V1000μF (*For general product)

RS*	RQA	102	M	1G	G26	300	T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

・For details, refer to the various "Product Code System" pages.
・Lead-forming and packing code on this page are for lead long and standard packing products.
For standard packing, please refer to the "PACKING" page.

Standard Ratings

Rated voltage (V) / Item / Rated capacitance (μF)	10 (1L)			16 (1E)			25 (1T)			35 (1G)		
	Case ϕD×L (mm)	Size code	Rated ripple current (mArms)	Case ϕD×L (mm)	Size code	Rated ripple current (mArms)	Case ϕD×L (mm)	Size code	Rated ripple current (mArms)	Case ϕD×L (mm)	Size code	Rated ripple current (mArms)
220	—	—	—	—	—	—	10×14.5	F14	300	10×14.5	F14	300
330	—	—	—	—	—	—	10×18	F18	510	10×18	F18	510
470	—	—	—	10×18	F18	510	10×22	F22	820	10×22	F22	820
1000	10×22	F22	820	10×22	F22	820	12.5×26	G26	1000	12.5×26	G26	1000
2200	12.5×26	G26	1000	12.5×26	G26	1000	16×26.5	J26	1200	16×33	J33	1370
3300	16×26.5	J26	1200	16×33	J33	1370	16×37	J37	1720	18×34	K34	1670
4700	16×33	J33	1370	16×37	J37	1720	18×38	K38	1790	18×42.5	K42	1870

(Note) Rated ripple current : 150℃ , 100kHz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.