RQA MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA®

150°C Use, Miniature, Low Impedance Capacitors

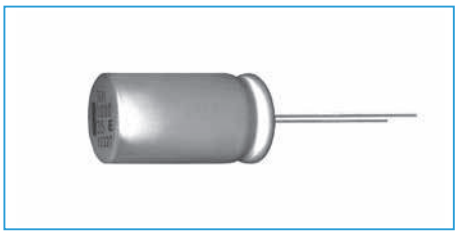
GREEN CAP | Low Impedance | 150°C 1000hours | Anti-cleaning solvent

- 150℃, High temperature guaranteed.
- Guarantees 1000 hours at 150℃.

RQA

High temperature

RKB



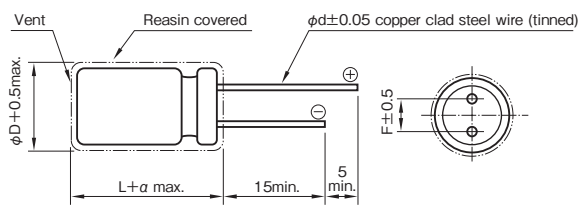
Marking color : Black print

Specifications

Item	Performance
Category temperature range (℃)	−40 to +150
Tolerance at rated capacitance (%)	±20 (20℃,120Hz)
Leakage current (μA)	Less than 0.01CV or 4 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, 50, 63 tanδ (max.): 0.20, 0.16, 0.14, 0.12, 0.10, 0.10 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, 50, 63 Impedance ratio (max.) Z−40℃/Z+20℃: 4, 3, 3, 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 the same as those for the endurance. Voltage application treatment : According to JIS C5101 -1
Applicable standards	JIS C5101 - 1, - 4 1998 (IEC 60384 - 1 1992, - 4 1985)

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	0.50	0.85	0.95	1
470 to 1000	0.60	0.88	0.96	1
1500 to 10000	0.68	0.90	0.98	1

Part numbering system (example : 35V1000μF)

RQA	—	35	V	102	M	I6	#	—	⬚
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping(Forming) symbol

Standard Ratings

Rated capacitance (μF) \ Rated voltage (V) / Item	10			16			25			35		
	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)
220	—	—	—	—	—	—	10×14	H3	300	10×14	H3	300
330	—	—	—	—	—	—	10×17	H3	510	10×17	H4	510
470	—	—	—	10×17	H4	510	10×22	H5	820	10×22	H5	820
1000	10×22	H5	820	10×22	H5	820	12.5×27	I6	1000	12.5×27	I6	1000
2200	12.5×27	I6	1000	12.5×27	I6	1000	16×27	J6	1200	16×33.5	J7	1370
3300	16×27	J6	1200	16×33.5	J7	1370	16×37.5	J8	1720	18×33.5	K7	1670
4700	16×33.5	J7	1370	16×37.5	J8	1720	18×37.5	K8	1790	18×42	K9	1870

Rated capacitance (μF) \ Rated voltage (V) / Item	50			63		
	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)
470	12.5×22	I5	1070	16×27	J6	750
1000	16×33.5	J7	1250	18×33.5	K7	1200
1500	18×33.5	K7	1500	18×42	K9	1550
2200	18×37.5	K8	1700	—	—	—

(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.