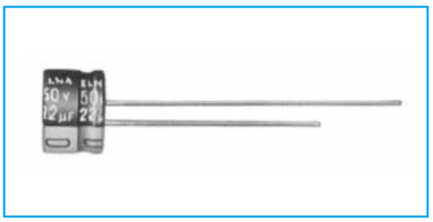
RC3 MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA

5mm L, Standard Capacitors

GREEN CAP

- Diameters from φ4 to φ8mm and a height of 5mm.



Marking color : White print on a blue sleeve

Low profile

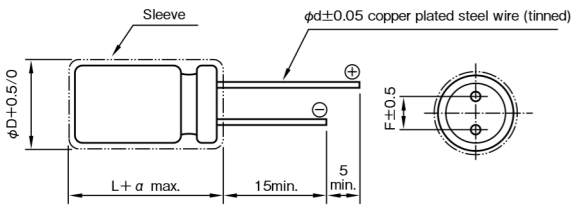
RC3 ⇦ RC2

Specifications

Item	Performance								
Category temperature range (℃)	−40 to +85								
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)		4	6.3	10	16	25	35	50	
	tanδ (max.)	φ4 to φ6.3	0.35	0.24	0.20	0.16	0.14	0.12	0.10	(20℃,120Hz)
		φ8	0.39	0.28	0.24	0.16	0.14	0.12	0.10	
Characteristics at high and low temperature	Rated voltage (V)		4	6.3	10	16	25	35	50	
	Impedance ratio (max.)	Z−25℃/Z+20℃	6	4	3	2	2	2	2	(120Hz)
		Z−40℃/Z+20℃	16	10	8	6	4	4	4	
Endurance (85℃) (Applied ripple current)	Test time		1000 hours							
	Leakage current		The initial specified value or less							
	Percentage of capacitance change		Within ±20% of initial value							
	Tangent of the loss angle		200% or less of the initial specified value							
Shelf life (85℃)	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	4	5	6.3	8
F	1.5	2.0	2.5	2.5
φd	0.45	0.45	0.45	0.45
α	1.0	1.0	1.0	1.0
Size code	B05	C05	D05	E05

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz) / Rated voltage (V)	50・60	120	1k	10k・100k
4 to 16	0.8	1	1.1	1.2
25 to 35	0.8	1	1.5	1.7
50	0.8	1	1.6	1.9

Product code system : 6.3V100μF (*For general product)

RS*	RC3	101	M	1J	D05	☐	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.

Standard Ratings

Rated voltage (V) / Item / Rated capacitance (μF)	4 (1A)		6.3 (1J)		10 (1L)		16 (1E)		25 (1T)		35 (1G)		50 (1U)	
	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)	Case φD×L (mm)	Rated ripple current (mArms)
1	—	—	—	—	—	—	—	—	—	—	—	—	4×5	10
2.2	—	—	—	—	—	—	—	—	—	—	4×5	14	4×5	15
3.3	—	—	—	—	—	—	—	—	4×5	15	4×5	17	4×5	18
4.7	—	—	—	—	—	—	4×5	17	4×5	18	4×5	20	5×5	25
10	—	—	4×5	20	4×5	22	4×5	25	5×5	30	5×5	30	6.3×5	40
22	4×5	25	4×5	30	5×5	35	5×5	40	6.3×5	50	6.3×5	55	8×5	75
33	4×5	30	5×5	40	5×5	45	6.3×5	60	6.3×5	65	8×5	80	8×5	90
47	4×5	35	5×5	50	6.3×5	65	6.3×5	70	8×5	95	8×5	100	—	—
100	5×5	60	6.3×5	85	6.3×5	95	8×5	125	8×5	135	—	—	—	—
220	6.3×5	105	8×5	145	8×5	155	—	—	—	—	—	—	—	—
330	8×5	150	8×5	175	—	—	—	—	—	—	—	—	—	—
470	8×5	180	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85°C, 120Hz.

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.