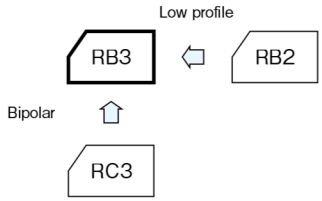
RB3 MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

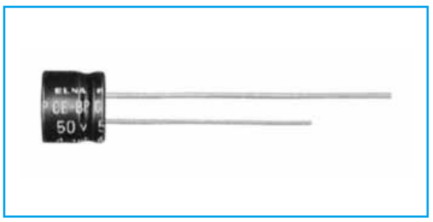
ELNA

5mm L, Bipolar Capacitors

GREEN CAP

- Diameters from φ4 to φ6.3mm and a height of 5mm.





Marking color : White print on a blue sleeve

Specifications

Item	Performance
Category temperature range (℃)	−40 to +85
Tolerance at rated capacitance (%)	±20 (20℃,120Hz)
Leakage current (μA) (max.)	0.03CV + 3 (after 5 minutes) C : Rated capacitance (μF); V : Rated voltage (V) (20℃)
Tangent of loss angle (tanδ)	See table below (20℃,120Hz)
Endurance (85℃)	See table below
Applicable standards	JIS C5101 - 1,- 4 (IEC 60384 - 1,- 4)

Tangent of loss angle (tanδ)

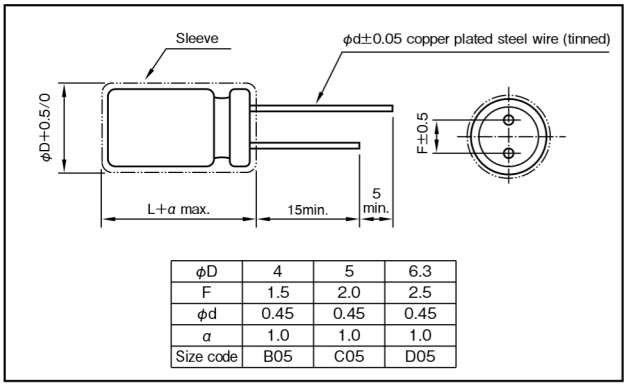
Rated voltage (V)		6.3	10	16	25	35	50
tanδ (max.)	φ4	0.35	0.30	0.25	0.20	0.20	0.20
	φ5, 6.3	0.30	0.25	0.20	0.15	0.15	0.15

Endurance (85℃)

Test time	1000 hours (with the polarity inverted every 250 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

Outline Drawing

Unit : mm



φD	4	5	6.3
F	1.5	2.0	2.5
φd	0.45	0.45	0.45
α	1.0	1.0	1.0
Size code	B05	C05	D05

Coefficient of Frequency for Rated Ripple Current

Rated voltage (V) \ Frequency (Hz)	50・60	120	1k	10k・100k
6.3 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 : 10V47μF (*For general product)

RS*	RB3	470	M	1L	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)	6.3 (1J) Case φD×L (mm)	6.3 (1J) Rated ripple current (mArms)	10 (1L) Case φD×L (mm)	10 (1L) Rated ripple current (mArms)	16 (1E) Case φD×L (mm)	16 (1E) Rated ripple current (mArms)	25 (1T) Case φD×L (mm)	25 (1T) Rated ripple current (mArms)	35 (1G) Case φD×L (mm)	35 (1G) Rated ripple current (mArms)	50 (1U) Case φD×L (mm)	50 (1U) Rated ripple current (mArms)
0.33	—	—	—	—	—	—	—	—	—	—	4×5	4
0.47	—	—	—	—	—	—	—	—	—	—	4×5	5
1	—	—	—	—	—	—	—	—	—	—	4×5	7
2.2	—	—	—	—	—	—	—	—	4×5	11	5×5	14
3.3	—	—	—	—	—	—	4×5	13	5×5	17	6.3×5	20
4.7	—	—	—	—	4×5	14	5×5	21	6.3×5	24	6.3×5	24
10	—	—	4×5	18	5×5	26	6.3×5	35	6.3×5	35	—	—
22	5×5	31	6.3×5	40	6.3×5	45	—	—	—	—	—	—
33	6.3×5	45	6.3×5	49	—	—	—	—	—	—	—	—
47	6.3×5	54	6.3×5	59	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85℃, 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.