

Low Leakage Current Capacitors

GREEN CAP

- Low leakage current (after 1 minute) : 0.006CV or 0.5 (μA).



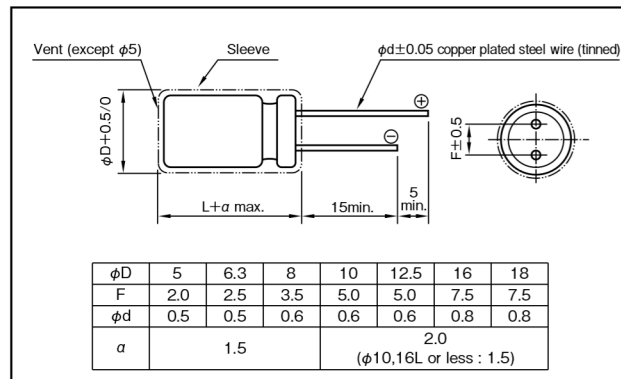
Marking color : White print on a blue sleeve

Specifications

Item	Performance						
Category temperature range (°C)	-40 to +85						
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)						
Leakage current (μA) (max.)	0.006CV or 0.5 whichever is larger (after 1 minute) 0.002CV or 0.3 whichever is larger (after 2 minutes), C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)						
Tangent of loss angle (tanδ)	Rated voltage (V)						
	6.3	10	16	25	35	50	
	More than 1μF						
	0.20	0.17	0.13	0.10	0.10	0.08	
	1μF						
	0.06	0.06	0.06	0.06	0.06	0.06	(20°C, 120Hz)
Characteristics at high and low temperature	Rated voltage (V)						
	6.3	10	16	25	35	50	
	Impedance ratio (max.)						
	Z-25°C/Z+20°C						
	4	3	2	2	2	2	
	Z-40°C/Z+20°C						
	8	6	4	4	3	3	(120Hz)
Endurance (85°C) (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						
	150% or less of the initial specified value						
Shelf life (85°C)	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



Coefficient of Frequency for Rated Ripple Current

Rated voltage (V)	Frequency (Hz) CV (μF×V)	50 · 60	120	1k	10k · 100k
		6.3 to 10	All CV value	0.8	1
16 to 25	≤ 1000	0.8	1	1.5	1.7
	1000 <	0.8	1	1.2	1.3
35 to 50	All CV value	0.8	1	1.6	1.9

Product code system : 10V1000μF (*For general product)

RS*	RLB	102	M	1L	G25	T
Category code	Series code	capacitance code	Cap. tol. code	Voltage code	Size code	Lead-forming and packing code

For details, refer to the various "Product Code System" pages.

Size code

Case φD×L (mm)	Size code	Case φD×L (mm)	Size code	Case φD×L (mm)	Size code	Case φD×L (mm)	Size code
5×11	C11	10×12.5	F12	12.5×20	G20	16×31.5	J31
6.3×11	D11	10×16	F16	12.5×25	G25	16×35.5	J35
8×11.5	E11	10×20	F20	16×25	J25	18×35.5	K35

Standard Ratings

Rated capacitance (μF)	Rated voltage (V) 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)
1	—	—	—	—	—	—	—	—	—	—	5×11	20
2.2	—	—	—	—	—	—	—	—	—	—	5×11	26
3.3	—	—	—	—	—	—	—	—	—	—	5×11	32
4.7	—	—	—	—	—	—	5×11	34	5×11	34	6.3×11	43
10	—	—	—	—	5×11	43	6.3×11	57	6.3×11	57	8×11.5	75
22	—	—	5×11	56	6.3×11	74	8×11.5	99	8×11.5	99	10×12.5	131
33	—	—	6.3×11	79	6.3×11	90	8×11.5	121	10×12.5	144	10×16	176
47	—	—	6.3×11	94	8×11.5	127	10×12.5	172	10×12.5	172	10×16	210
100	—	—	8×11.5	160	10×12.5	220	10×16	270	10×20	300	12.5×20	380
220	10×12.5	260	10×16	350	10×20	390	12.5×20	510	12.5×25	550	16×25	720
330	10×16	350	10×20	420	12.5×20	550	12.5×25	680	16×25	790	16×31.5	970
470	10×20	460	12.5×20	570	12.5×20	650	16×25	940	16×25	940	16×35.5	1210
1000	12.5×25	840	12.5×25	910	16×25	1210	16×35.5	1580	18×35.5	1690	—	—
2200	16×25	1440	16×31.5	1710	18×35.5	2200	—	—	—	—	—	—

(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.