

Standard Bipolar Capacitors

GREEN CAP Anti-cleaning solvent

•Guarantees 2000 hours at 85°C.



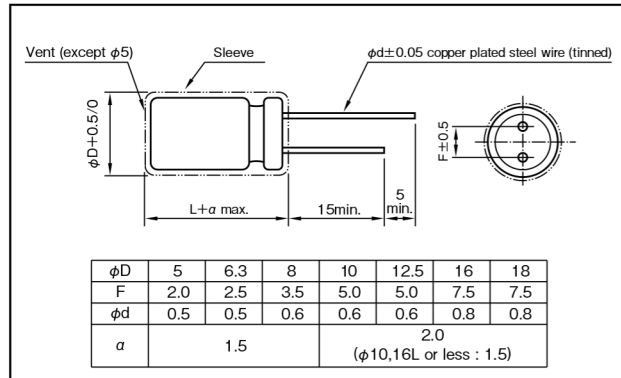
Marking color : White print on a blue sleeve

Specifications

Item	Performance																										
Category temperature range (°C)	-40 to +85																										
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)																										
Leakage current (µA) (max.)	0.03CV + 3 (after 5 minutes) C : Rated capacitance (µF) ; V : Rated voltage (V) (20°C)																										
Tangent of loss angle (tanδ)	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <th>tan δ (max.)</th> <td>0.24</td> <td>0.24</td> <td>0.20</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	tan δ (max.)	0.24	0.24	0.20	0.20	0.16	0.14	0.12	0.10								
	Rated voltage (V)	6.3	10	16	25	35	50	63	100																		
tan δ (max.)	0.24	0.24	0.20	0.20	0.16	0.14	0.12	0.10																			
0.02 is added to every 1000µF increase over 1000µF (20°C,120Hz)																											
Characteristics at high and low temperature	<table border="1"> <tr> <th>Rated voltage (V)</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <th rowspan="2">Impedance ratio (max.)</th> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	2	2	2	2	2	Z-40°C/Z+20°C	10	8	6	4	3	3	3
	Rated voltage (V)	6.3	10	16	25	35	50	63	100																		
Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	2	2	2	2	2																			
	Z-40°C/Z+20°C	10	8	6	4	3	3	3																			
0.5 for -25°C, 1 for -40°C are added to every 1000µF increase over 1000µF (120Hz)																											
Endurance (85°C) (Applied ripple current)	Test time	2000 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	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)			
	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 to 100	0.8	1	1.6	1.9

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

RS*	R2B	102	M	1L	G20		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.

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	18×35.5	K35
8×11.5	E11	10×20	F20	16×25	J25		

Standard Ratings

Rated capacitance (µF)	Item	6.3 (1J)		10 (1L)		16 (1E)		25 (1T)		35 (1G)		50 (1U)		63 (4E)		100 (1H)	
		Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)	Case φD×L (mm)	Rated ripple current (mA)
1		—	—	—	—	—	—	—	—	—	—	5×11	14	—	—	5×11	16
2.2		—	—	—	—	—	—	—	—	—	—	5×11	21	5×11	23	5×11	24
3.3		—	—	—	—	—	—	—	—	—	—	5×11	26	5×11	28	6.3×11	34
4.7		—	—	—	—	—	—	5×11	28	5×11	28	5×11	31	5×11	34	6.3×11	41
10		—	—	—	—	5×11	39	5×11	40	5×11	42	5×11	45	6.3×11	57	8×11.5	70
22		—	—	5×11	52	5×11	58	5×11	60	6.3×11	71	6.3×11	77	8×11.5	89	10×16	136
33		5×11	58	5×11	63	5×11	71	6.3×11	84	6.3×11	87	8×11.5	111	10×12.5	144	10×20	181
47		5×11	69	5×11	75	6.3×11	97	6.3×11	100	8×11.5	122	10×12.5	157	10×16	188	12.5×20	248
100		6.3×11	115	6.3×11	126	8×11.5	167	10×12.5	204	10×12.5	212	10×20	273	12.5×20	343	16×25	458
220		8×11.5	202	8×11.5	221	10×12.5	294	10×16	332	10×20	375	12.5×25	506	16×25	645	18×35.5	837
330		8×11.5	247	10×12.5	322	10×16	394	10×20	444	12.5×20	526	12.5×25	620	—	—	—	—
470		10×12.5	350	10×16	420	10×20	513	12.5×20	607	12.5×25	685	16×25	861	—	—	—	—
1000		10×20	611	12.5×20	767	12.5×25	935	16×25	1120	16×31.5	1270	—	—	—	—	—	—
2200		12.5×25	1090	16×25	1380	16×31.5	1660	—	—	—	—	—	—	—	—	—	—
3300		16×25	1490	16×31.5	1760	—	—	—	—	—	—	—	—	—	—	—	—
4700		16×31.5	1880	18×35.5	2280	—	—	—	—	—	—	—	—	—	—	—	—

(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.