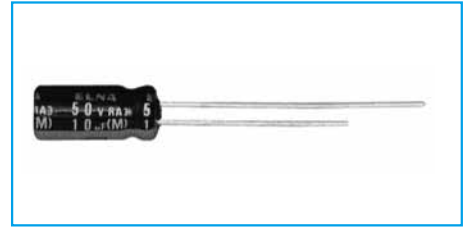
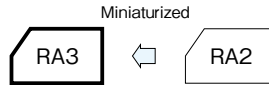


Miniature Capacitors for Audio

GREEN
CAP

For
Audio

- With the same size as that for Series RE3 miniaturized standard capacitors, a high resolution sound quality grade has been realized.
- The newly developed audio use material makes clear sound a reality.
- All lead wires are copper plated steel wires.



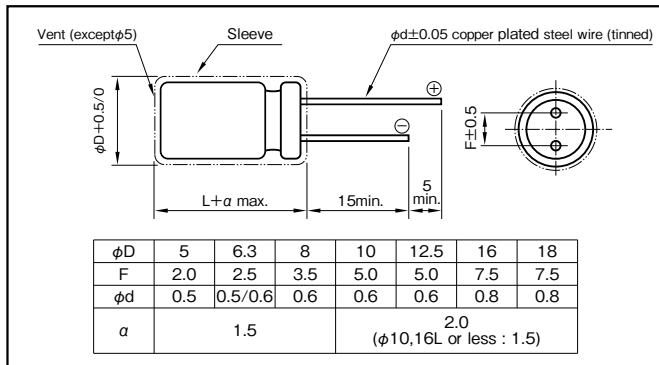
Marking color : White print on a brown sleeve

Specifications

Item	Performance																																												
Category temperature range (°C)	-40 to +85																																												
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)																																												
Leakage current (μA) (max.)	0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)																																												
Tangent of loss angle (tanδ)	<table><tr><td>Rated voltage (V)</td><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><td>tanδ (max.)</td><td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.11</td><td>0.10</td></tr></table>									Rated voltage (V)	6.3	10	16	25	35	50	63	100	tanδ (max.)	0.28	0.24	0.20	0.16	0.14	0.12	0.11	0.10																		
	Rated voltage (V)	6.3	10	16	25	35	50	63	100																																				
	tanδ (max.)	0.28	0.24	0.20	0.16	0.14	0.12	0.11	0.10																																				
0.02 is added to every 1000μF increase over 1000μF (20°C,120Hz)																																													
Endurance (85°C) (Applied ripple current)	<table><tr><td>Test time</td><td colspan="8">2000 hours</td></tr><tr><td>Leakage current</td><td colspan="8">The initial specified value or less</td></tr><tr><td>Percentage of capacitance change</td><td colspan="8">Within ±20% of initial value</td></tr><tr><td>Tangent of the loss angle</td><td colspan="8">200% or less of the initial specified value</td></tr></table>									Test time	2000 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							
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	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°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×VV)	50 · 60	120	1k	10k	100k
6.3 to 16	All CV value	0.8	1	1.1	1.2	1.2
	≤1000	0.8	1	1.5	1.7	1.7
25 to 35	1000<	0.8	1	1.2	1.3	1.3
	≤1000	0.8	1	1.6	1.9	1.9
50 to 100	1000<	0.8	1	1.2	1.3	1.3

Part numbering system (example : 25V100μF)

RA3	—	25	V	101	M	F3	#8	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping (Forming) symbol

Case symbol

Case φD×L (mm)	Casing Symbol	Case φD×L (mm)	Casing Symbol	Case φD×L (mm)	Casing Symbol	Case φD×L (mm)	Casing Symbol
5×11	E3	10×12.5	H3	12.5×20	I5	16×31.5	J7
6.3×11	F3	10×16	H4	12.5×25	I6	18×35.5	K8
8×11.5	G3	10×20	H5	16×25	J6	—	—

Standard Ratings

Rated capacitance (μF)	Item	6.3		10		16		25		35		50		63		100	
		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	21	—	—	5×11	21
2.2		—	—	—	—	—	—	—	—	—	—	5×11	31	—	—	5×11	31
3.3		—	—	—	—	—	—	—	—	—	—	5×11	38	—	—	5×11	40
4.7		—	—	—	—	—	—	—	—	—	—	5×11	45	—	—	5×11	50
10		—	—	—	—	5×11	50	5×11	55	5×11	60	5×11	66	5×11	70	5×11	70
22		—	—	—	—	5×11	75	5×11	90	5×11	95	5×11	100	5×11	105	6.3×11	115
33		—	—	—	—	5×11	110	5×11	110	5×11	110	5×11	110	6.3×11	130	8×11.5	158
47		—	—	—	—	5×11	130	5×11	130	5×11	130	6.3×11	155	6.3×11	160	8×11.5	188
100		5×11	130	5×11	150	5×11	180	6.3×11	199	6.3×11	214	8×11.5	250	8×11.5	270	10×16	358
220		5×11	240	6.3×11	250	6.3×11	280	8×11.5	349	8×11.5	350	10×12.5	429	10×16	505	12.5×20	663
330		6.3×11	300	6.3×11	330	8×11.5	383	8×11.5	383	10×12.5	542	10×16	595	10×20	676	12.5×25	886
470		6.3×11	380	8×11.5	417	8×11.5	480	10×12.5	545	10×16	664	12.5×20	887	12.5×20	924	16×25	1230
1000		8×11.5	580	10×12.5	650	10×16	791	10×20	996	12.5×20	1210	12.5×25	1400	16×25	1710	18×35.5	2210
2200		10×16	939	10×20	1080	12.5×20	1350	12.5×25	1660	16×25	1950	16×31.5	2340	18×35.5	2870	—	—
3300		10×20	1230	12.5×20	1430	12.5×25	1690	16×25	2030	16×31.5	2320	18×35.5	2810	—	—	—	—
4700		12.5×20	1710	12.5×25	1780	16×25	2100	16×31.5	2650	18×35.5	2990	—	—	—	—	—	—
6800		12.5×25	1930	16×25	2270	16×31.5	2480	18×35.5	3290	—	—	—	—	—	—	—	—
10000		16×25	2450	16×31.5	2500	18×35.5	3130	—	—	—	—	—	—	—	—	—	—
15000		16×31.5	2580	18×35.5	3100	—	—	—	—	—	—	—	—	—	—	—	—
22000		18×35.5	3150	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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