

ELNA**Miniature Aluminum Electrolytic Capacitors For Audio RF0 series**

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- New type miniaturized capacitor for audio, using synthetic mica paper for the separator. (PURECAP™)
- A capacitor utilizing a newly developed material for a high grade of audio reproduction.
- All lead wires are copper plated steel wires.
- Environmental : GREEN CAP™, RoHS compliance.

RF0

New type



RA2



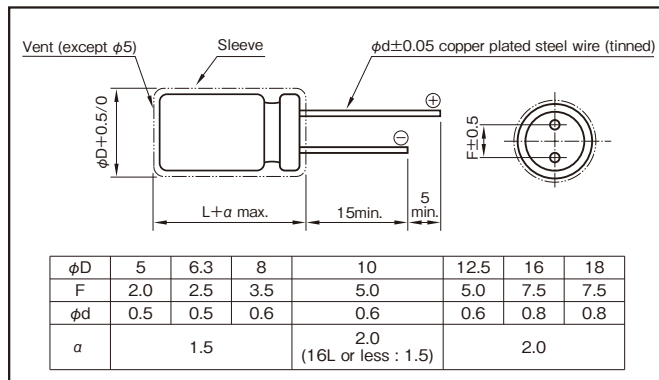
Marking color : Gold print on a black sleeve

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></tr><tr><td>tanδ (max.)</td><td>0.22</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td></tr></table>								Rated voltage (V)	6.3	10	16	25	35	50	63	tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09
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	tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09																
0.02 is added to every 1000μF increase over 1000μF (20°C,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		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
25 to 35	≤1000	0.8	1	1.5	1.7	1.7
	1000<	0.8	1	1.2	1.3	1.3
50 to 63	≤1000	0.8	1	1.6	1.9	1.9
	1000<	0.8	1	1.2	1.3	1.3

Product code system : 25V100μF (*For general product)

RS*	RF0	101	M	1T	D11	300	PT
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.
- Lead-forming and packing code on this page are for lead long and standard packing products.

For standard packing, please refer to the "PACKING" page.

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)	6.3 (1J)		10 (1L)		16 (1E)		25 (1T)		35 (1G)		50 (1U)		63 (4E)	
	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	15	—	—
2.2	—	—	—	—	—	—	—	—	—	—	5×11	20	—	—
3.3	—	—	—	—	—	—	—	—	—	—	5×11	25	—	—
4.7	—	—	—	—	—	—	—	—	5×11	30	5×11	30	5×11	35
10	—	—	—	—	—	—	—	—	5×11	45	5×11	45	5×11	50
22	—	—	—	—	5×11	50	5×11	55	5×11	60	5×11	70	6.3×11	85
33	—	—	5×11	55	5×11	60	5×11	70	5×11	80	6.3×11	100	6.3×11	100
47	—	—	5×11	65	5×11	75	5×11	85	6.3×11	110	6.3×11	120	8×11.5	150
100	5×11	85	5×11	95	6.3×11	120	6.3×11	140	8×11.5	190	8×11.5	210	10×12.5	260
220	6.3×11	150	6.3×11	165	8×11.5	220	8×11.5	250	10×12.5	330	10×16	400	10×20	460
330	6.3×11	180	8×11.5	240	8×11.5	270	10×12.5	370	10×16	450	10×20	540	12.5×20	650
470	8×11.5	260	8×11.5	280	10×12.5	390	10×16	480	10×20	590	12.5×20	740	12.5×25	850
1000	10×12.5	450	10×16	540	10×20	680	12.5×20	880	12.5×25	1050	16×25	1350	16×31.5	1550
2200	12.5×20	890	12.5×20	970	12.5×25	1200	16×25	1550	16×31.5	1750	18×35.5	2100	—	—
3300	12.5×20	1050	12.5×25	1250	16×25	1600	16×31.5	1950	18×35.5	2250	—	—	—	—
4700	16×25	1550	16×25	1650	16×31.5	2050	18×35.5	2500	—	—	—	—	—	—
6800	16×25	1750	16×31.5	2050	18×35.5	2550	—	—	—	—	—	—	—	—
10000	16×31.5	2150	18×35.5	2550	—	—	—	—	—	—	—	—	—	—
15000	18×35.5	2700	—	—	—	—	—	—	—	—	—	—	—	—

(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.