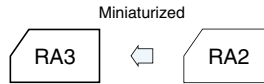
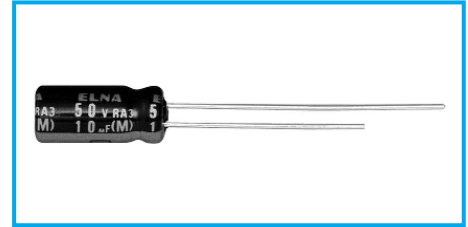


Miniature Capacitors for Audio Series RA3

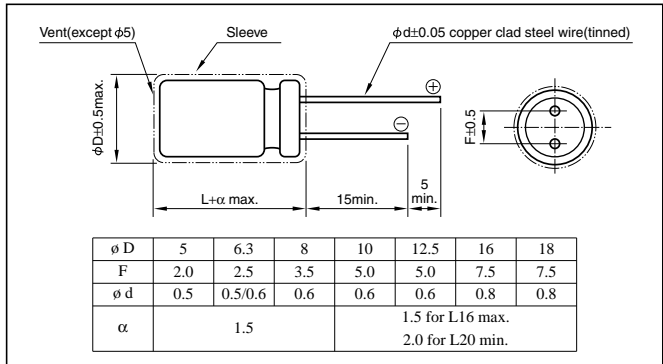
- With the same size as that for Series RE3 miniaturized standard capacitors, a high resolution sound quality grade has been realized.
- The newly developed audio use material makes clear sound a reality.
- All lead wires are copper clad steel.



Specifications

Item	Performance									
Category temperature range (°C)	-40 to +85									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (µA)	Less than 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)	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)	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								
Shelf life (85°C)	Test time : 1000 hours. Other have same as endurance. Voltage application treatment									
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)									

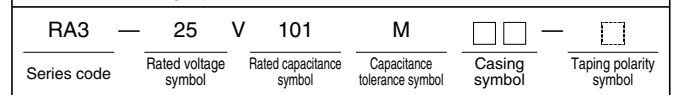
Outline Drawing



Coefficient of Frequency for Rated Ripple Current

Rated voltage(V)	Frequency(Hz) CV(µFxVV)	50 · 60	120	1k	10k	100k
		6.3 to 16	All CV value	0.80	1	1.1
25 to 35	≤ 1000	0.80	1	1.5	1.7	1.7
	1000 <	0.80	1	1.2	1.3	1.3
50 to 100	≤ 1000	0.80	1	1.6	1.9	1.9
	1000 <	0.80	1	1.2	1.3	1.3

Part numbering system (example: 25V100µF)



Case symbol

Case Symbol	Casing Symbol	Case Symbol	Casing Symbol	Case Symbol	Casing Symbol	Case Symbol	Casing Symbol
φ DxL(mm)	φ DxL(mm)	φ DxL(mm)	φ DxL(mm)	φ DxL(mm)	φ DxL(mm)	φ DxL(mm)	φ DxL(mm)
5x11	E3	10x12.5	H3	12.5x20	I5	16x31.5	J7
6.3x11	F3	10x16	H4	12.5x25	I6	18x35.5	K8
8x11.5	G3	10x20	H5	16x25	J6		

Standard Ratings

Rated capacitance(µF)	Rated voltage(V)		6.3		10		16		25		35		50		63		100	
	Item	Case	Rated ripple current		Rated ripple current		Rated ripple current		Rated ripple current		Rated ripple current		Rated ripple current		Rated ripple current		Rated ripple current	
			φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms
0.1	—	—	—	—	—	—	—	—	—	—	—	—	5x11	3	—	—	—	—
0.22	—	—	—	—	—	—	—	—	—	—	—	—	5x11	6	—	—	—	—
0.33	—	—	—	—	—	—	—	—	—	—	—	—	5x11	9	—	—	—	—
0.47	—	—	—	—	—	—	—	—	—	—	—	—	5x11	13	—	—	5x11	13
1	—	—	—	—	—	—	—	—	—	—	—	—	5x11	21	—	—	5x11	21
2.2	—	—	—	—	—	—	—	—	—	—	—	—	5x11	31	—	—	5x11	31
3.3	—	—	—	—	—	—	—	—	—	—	—	—	5x11	38	—	—	5x11	40
4.7	—	—	—	—	—	—	—	—	—	—	—	—	5x11	45	—	—	5x11	50
10	—	—	—	—	5x11	50	5x11	55	5x11	60	5x11	66	5x11	70	5x11	70	5x11	70
22	—	—	—	—	5x11	75	5x11	90	5x11	95	5x11	100	5x11	105	6.3x11	115	6.3x11	115
33	—	—	—	—	5x11	110	5x11	110	5x11	110	5x11	110	5x11	110	6.3x11	130	8x11.5	158
47	—	—	—	—	5x11	130	5x11	130	5x11	130	6.3x11	155	6.3x11	160	8x11.5	188	8x11.5	188
100	5x11	130	5x11	150	5x11	180	6.3x11	199	6.3x11	214	8x11.5	250	8x11.5	270	10x16	358	10x16	358
220	5x11	240	6.3x11	250	6.3x11	280	8x11.5	349	8x11.5	350	10x12.5	429	10x16	505	12.5x20	663	12.5x20	663
330	6.3x11	300	6.3x11	330	8x11.5	383	8x11.5	383	10x12.5	542	10x16	595	10x20	676	12.5x25	886	12.5x25	886
470	6.3x11	380	8x11.5	417	8x11.5	480	10x12.5	545	10x16	664	12.5x20	887	12.5x20	924	16x25	1230	16x25	1230
1000	8x11.5	580	10x12.5	650	10x16	791	10x20	996	12.5x20	1210	12.5x25	1400	16x25	1710	18x35.5	2210	18x35.5	2210
2200	10x16	939	10x20	1080	12.5x20	1350	12.5x25	1660	16x25	1950	16x31.5	2340	18x35.5	2870	—	—	—	—
3300	16x20	1230	12.5x20	1430	12.5x25	1690	16x25	2030	16x31.5	2320	18x35.5	2810	—	—	—	—	—	—
4700	12.5x20	1710	12.5x25	1780	16x25	2100	16x31.5	2650	18x35.5	2290	—	—	—	—	—	—	—	—
6800	12.5x25	1930	16x25	2270	16x31.5	2480	18x35.5	3290	—	—	—	—	—	—	—	—	—	—
10000	16x25	2450	16x31.5	2500	18x35.5	3130	—	—	—	—	—	—	—	—	—	—	—	—
15000	16x31.5	2580	18x35.5	3100	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22000	18x35.5	3150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

NOTE

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.