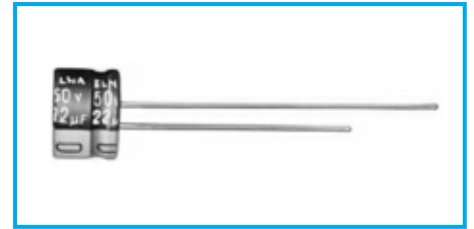
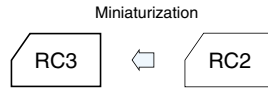


5mm L Standard Capacitors Series RC3

- Diameters from $\phi 3$ to $\phi 8$ mm and a height of 5mm.



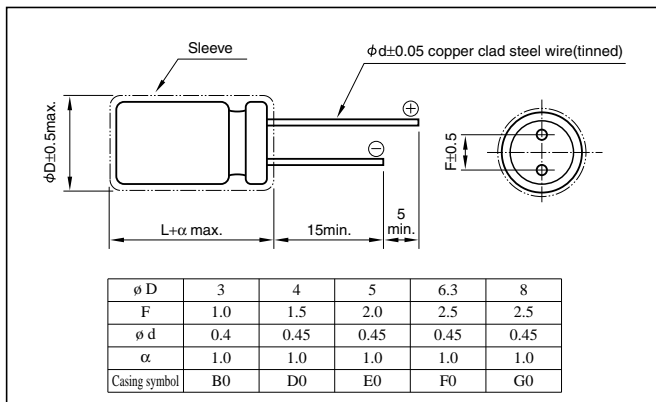
Marking color : White print on a blue sleeve ($\phi 3$: black sleeve) or White print on an indigo blue sleeve.

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)	4 6.3 10 16 25 35 50															
	tanδ (max.)	<table border="1"> <tr> <td>$\phi 3$ to $\phi 6.3$</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> <tr> <td>$\phi 8$</td> <td>0.39</td> <td>0.28</td> <td>0.24</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	$\phi 3$ to $\phi 6.3$	0.35	0.24	0.20	0.16	0.14	0.12	0.10	$\phi 8$	0.39	0.28	0.24	0.16	0.14	0.12
$\phi 3$ to $\phi 6.3$	0.35	0.24	0.20	0.16	0.14	0.12	0.10										
$\phi 8$	0.39	0.28	0.24	0.16	0.14	0.12	0.10										
Characteristics at high and low temperature	Rated voltage (V)	4 6.3 10 16 25 35 50															
	Impedance ratio (max.)	<table border="1"> <tr> <td>Z-25°C / Z+20°C</td> <td>6</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>16</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	Z-25°C / Z+20°C	6	4	3	2	2	2	2	Z-40°C / Z+20°C	16	10	8	6	4	4
Z-25°C / Z+20°C	6	4	3	2	2	2	2										
Z-40°C / Z+20°C	16	10	8	6	4	4	4										
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 : 1000 hours; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5101-1																
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)																

Outline Drawing

Unit: mm



Coefficient of Frequency for Rated Ripple Current

Rated voltage(V)	Frequency(Hz)			
	50 · 60	120	1k	10k · 100k
4 to 16	0.8	1	1.1	1.2
25 to 35	0.8	1	1.5	1.7
50	0.8	1	1.6	1.9

Part numbering system (example: 6.3V100μF)

Environmental item	RC3	—	6	V	101	M	F0	#	[]
	Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Additional symbol
Former item	RC3	—	6	V	101	M	[]		
	Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Additional symbol		

To denote former item $\phi 3$, "S" is suffixed to the tolerance, as MS- [S].
To denote former item $\phi 8$, "GZ" is suffixed to the tolerance, as MGZ- [S].

Standard Ratings

Rated capacitance(μF)	4		6.3		10		16		25		35		50	
	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current
Item	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—
330	—	—	—	—	—	—	—	—	—	—	—	—	—	—
470	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85°C, 120Hz ; The types of capacitor marked with a black circle are manufactured in the $\phi 3$ x5 size also; the figures in the parentheses are applicable to capacitors with $\phi 3$.