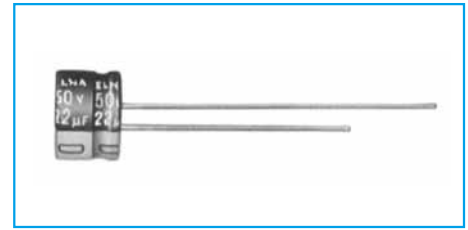


## 5mm L, Standard Capacitors

GREEN CAP

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



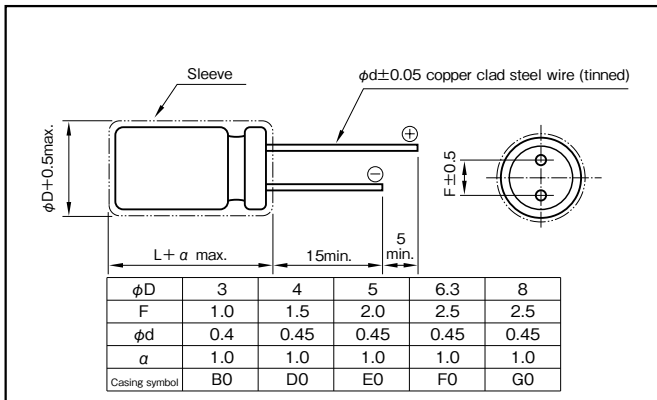
Marking color : White print on a blue sleeve ( $\phi 3$ : black sleeve)

### 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.)	$\phi 3$ 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.)	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)

RC3	—	6	V	101	M	F0	#	*	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol			Taping (Forming) symbol

\*Should add "2", when size is  $\phi 3 \times 5L$ .

### Standard Ratings

Rated capacitance (μF)	4		6.3		10		16		25		35		50	
	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)	Case	Rated ripple current (mA rms)
Item	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)	φD×L (mm)	(mA rms)
0.22	—	—	—	—	—	—	—	—	—	—	—	—	3×5	4
0.33	—	—	—	—	—	—	—	—	—	—	—	—	3×5	5
													4×5	6
0.47	—	—	—	—	—	—	—	—	—	—	—	—	3×5	6
													4×5	7
1	—	—	—	—	—	—	—	—	—	—	—	—	3×5	8
													4×5	10
2.2	—	—	—	—	—	—	—	—	—	—	—	—	3×5	11
													4×5	14
3.3	—	—	—	—	—	—	—	—	—	—	—	—	3×5	13
													4×5	15
4.7	—	—	—	—	—	—	—	—	—	—	—	—	4×5	17
													3×5	14
10	—	—	—	—	—	—	—	—	—	—	—	—	4×5	17
													3×5	14
22	—	—	—	—	—	—	—	—	—	—	—	—	4×5	20
													3×5	17
33	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17
47	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17
100	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17
220	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17
330	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17
470	—	—	—	—	—	—	—	—	—	—	—	—	4×5	25
													3×5	17

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