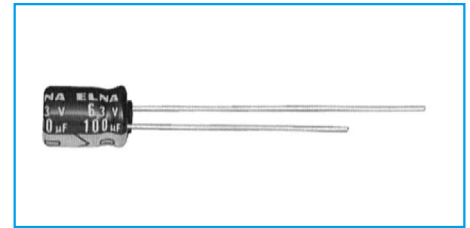


7mm L, Standard Capacitors

GREEN
CAP Anti-
cleaning
solvent

- Conventional RC2 further downsized, diameters from $\phi 4$ to $\phi 8$ mm.
- Guarantees 1000 hours at 85°C.



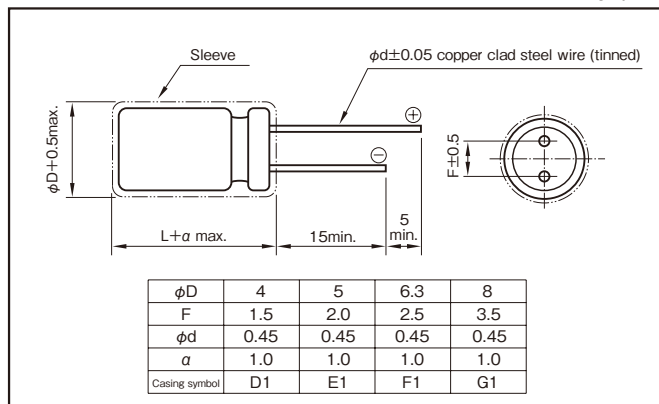
Marking color : White print on a blue sleeve

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	63	100
	tanδ (max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.08
(20°C,120Hz)										
Characteristics at high and low temperature	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100
	Impedance ratio (max.)	Z-25°C/Z+20°C	6	4	3	2	2	2	2	2
		Z-40°C/Z+20°C	16	10	8	6	4	4	4	4
(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 : 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

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

Part numbering system (example : 10V220μF)

RC2	—	10	V	221	M	G1	#
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	

Standard Ratings

Rated voltage (V)		4		6.3		10		16		25		35		50		63		100	
Rated capacitance (μF)	Item	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	Case	Rated ripple current	Case	Rated ripple current
0.1	φD×L (mm)	—	—	—	—	—	—	—	—	—	—	—	—	4×7	4	4×7	4	—	—
0.22	mArms	—	—	—	—	—	—	—	—	—	—	—	—	4×7	5	4×7	6	—	—
0.33	φD×L (mm)	—	—	—	—	—	—	—	—	—	—	—	—	4×7	7	4×7	7	—	—
0.47	mArms	—	—	—	—	—	—	—	—	—	—	—	—	4×7	8	4×7	8	—	—
1	φD×L (mm)	—	—	—	—	—	—	—	—	—	—	—	—	4×7	10	4×7	10	4×7	12
2.2	mArms	—	—	—	—	—	—	—	—	—	—	—	—	4×7	15	4×7	15	5×7	20
3.3	φD×L (mm)	—	—	—	—	—	—	—	—	4×7	15	4×7	15	4×7	20	4×7	23	6.3×7	30
4.7	mArms	—	—	—	—	—	—	—	—	4×7	20	4×7	20	4×7	24	5×7	30	6.3×7	35
10	φD×L (mm)	—	—	—	—	—	—	4×7	25	4×7	30	4×7	30	5×7	40	6.3×7	50	—	—
22	mArms	—	—	4×7	35	4×7	35	4×7	40	5×7	50	5×7	55	6.3×7	70	—	—	—	—
33	φD×L (mm)	4×7	35	4×7	40	4×7	45	5×7	55	6.3×7	70	6.3×7	75	8×7	100	—	—	—	—
47	mArms	4×7	40	4×7	50	5×7	60	5×7	70	6.3×7	85	8×7	110	—	—	—	—	—	—
100	φD×L (mm)	5×7	70	5×7	80	6.3×7	105	6.3×7	120	8×7	145	—	—	—	—	—	—	—	—
220	mArms	6.3×7	120	6.3×7	140	8×7	185	8×7	205	—	—	—	—	—	—	—	—	—	—
330	φD×L (mm)	8×7	170	8×7	205	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(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.