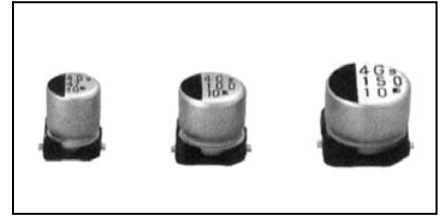


Chip Type Large Capacitance Capacitors

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours at 85°C.



Marking color : Black print (φ3×5.3L- φ8×10L)
White print on a brown sleeve (φ10×10L)

■ SPECIFICATIONS

Item	Performance	
Category Temperature Range	-40°C~+85°C	
Capacitance Tolerance	±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)	
Dissipation Factor (Tanδ at 120Hz, 20°C)	Rated voltage (V)	6.3 10 16 25 35 50 63 100
	tan δ (max.)	0.35 0.32 0.28 0.18 0.14 0.12 0.12 0.12
Low Temperature Characteristics (at 120Hz)	Rated voltage (V)	6.3 10 16 25 35 50 63 100
	Impedance ratio (max.)	Z-25°C/Z+20°C: 4 3 2 2 2 2 2 2 Z-40°C/Z+20°C: 10 8 6 4 3 3 3 3
Endurance (85°C) (Applied ripple current)	Test time	2000 hours (φ3: 1000hours)
	Capacitance Change	Within ±30% of initial value
	Dissipation Factor	200% or less of the initial specified value
	Leakage Current	The initial specified value or less
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	
Coefficient of Frequency for Rated Ripple Current	Frequency (Hz)	50 - 60 120 1k 10k · 100k
	Rated voltage (V)	
	6.3 to 16	0.8 1 1.15 1.25
	25 to 35	0.8 1 1.25 1.40
	50 to 63	0.8 1 1.35 1.50
100	0.7 1 1.35 1.50	
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)	

■ OUTLINE DRAWING

Unit : mm

φD	L	A	B	C	W	P	Casing symbol
3	5.3 ± 0.2	3.3	3.3	1.5	0.45 to 0.75	0.8	B55
4	5.3 ± 0.2	4.3	4.3	2.0	0.5 to 0.8	1.0	D55
5	5.3 ± 0.2	5.3	5.3	2.3	0.5 to 0.8	1.5	E55
6.3	5.3 ± 0.2	6.3	6.3	2.7	0.5 to 0.8	2.0	F55
6.3	7.7 ± 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	F80
8	6.5 ± 0.3	8.4	8.4	3.4	0.5 to 0.8	2.3	G68
8	10 ± 0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	G10
10	10 ± 0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	H10

■ STANDARD RATINGS

Rated voltage (V)	6.3		10		16		25		35		50		63		100	
	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
	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms	$\phi D \times L$ (mm)	mArms
2.2	—	—	—	—	—	—	—	—	—	—	—	—	3×5.3	7	—	—
3.3	—	—	—	—	—	—	—	—	—	—	3×5.3	10	4×5.3	12	—	—
4.7	—	—	—	—	—	—	—	—	3×5.3	13	4×5.3	18	5×5.3	20	—	—
10	—	—	—	—	3×5.3	18	3×5.3	16	4×5.3	24	5×5.3	30	6.3×5.3	32	—	—
22	3×5.3	21	3×5.3	20	—	—	4×5.3	24	5×5.3	41	6.3×5.3	47	6.3×7.7	60	—	—
													8×6.5	62		
33	—	—	—	—	4×5.3	32	5×5.3	47	—	—	8×6.5	83	—	—	8×10	94
47	4×5.3	34	4×5.3	33	5×5.3	52	—	—	6.3×5.3	54	6.3×7.7	85	8×10	139	10×10	189
100	5×5.3	55	5×5.3	54	6.3×5.3	70	6.3×7.7	120	6.3×7.7	120	8×10	252	10×10	226	—	—
							8×6.5	118								
150	—	—	6.3×5.3	79	—	—	—	—	—	—	—	—	—	—	—	—
220	6.3×5.3	88	6.3×7.7	173	6.3×7.7	162	—	—	8×10	260	—	—	—	—	—	—
			8×6.5	175												
330	6.3×7.7	188	—	—	—	—	8×10	300	10×10	360	—	—	—	—	—	—
	8×6.5	190														
470	—	—	8×10	310	8×10	307	10×10	400	—	—	—	—	—	—	—	—
680	—	—	—	—	10×10	380	—	—	—	—	—	—	—	—	—	—
1000	—	—	10×10	454	—	—	—	—	—	—	—	—	—	—	—	—
1500	10×10	489	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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