

Chip Type Large Capacitance Capacitors

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



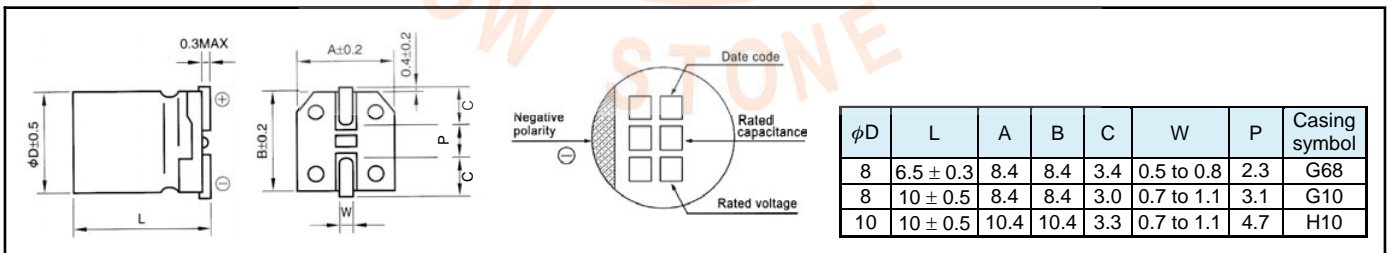
Marking color : Black print ($\phi 8 \times 6.5L$)
White print on a brown sleeve ($\phi 8 \times 10L \cdot \phi 10 \times 10L$)

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 (Tan δ at 120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
	tan δ (max.)	0.28	0.24	0.20	0.14	0.12	0.10	0.10	0.10	
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	8	5	4	3	3	3	3	3
Endurance (85°C) (Applied ripple current)	Test Time	2000 hours								
	Capacitance Change	Within ±20% 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	Rated voltage (V)	Frequency (Hz)				50 · 60	120	1k	10k · 100k	
		6.3 to 16	0.80	1	1.15	1.25				
	25 to 35	0.80	1	1.25	1.40					
	50 to 63	0.80	1	1.35	1.50					
	100	0.70	1	1.35	1.50					
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)									

OUTLINE DRAWING

Unit : mm



STANDARD RATINGS

Rated voltage (V)	6.3			10			16			25			35			50			63			100		
	Item	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current		
		$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms	$\phi D \times L$ (mm)	Ω	mArms		
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8×10	16.6	94		
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
100	—	—	—	8×6.5	4.0	155	8×6.5	3.3	155	8×6.5	2.3	155	8×10	2.0	252	10×10	1.7	458	10×10	1.7	226	—	—	
220	8×6.5	2.1	155	8×6.5	1.8	155	8×10	1.5	252	8×10	1.1	252	10×10	0.91	458	—	—	—	—	—	—	—		
330	8×6.5	1.4	155	8×10	1.2	252	8×10	1.0	252	10×10	0.70	458	—	—	—	—	—	—	—	—	—	—		
470	8×10	0.99	252	10×10	0.85	458	8×10	0.71	252	10×10	0.49	458	—	—	—	—	—	—	—	—	—	—		
1000	10×10	0.46	458	10×10	0.34	458	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

(Note) Rated ripple current : 85°C, 120Hz ; ESR : 20°C, 120Hz

NOTE

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