

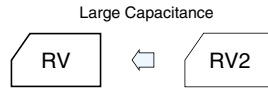
Chip Type Large Capacitance Capacitors

GREEN CAP

SMD

Anti-cleaning solvent

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



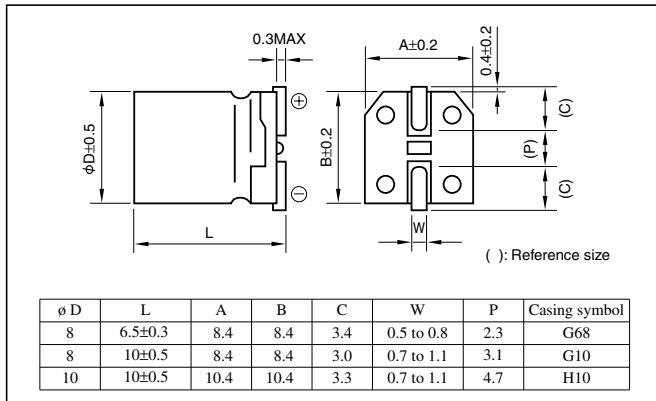
Marking color : Black print (ø8x6.5L)
White print on a brown sleeve (ø8x10L · ø10x10L)

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)	6.3	10	16	25	35	50	63	100	
	tanδ (max.)	0.28	0.24	0.20	0.14	0.12	0.10	0.10	0.10	(20°C, 120Hz)
Characteristics at high and low temperature	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
Endurance (85°C) (Applied ripple current)	Test time	2000 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, -18 1998 (IEC 60384-1 1992, -18 1993)									

Outline Drawing

Unit: mm



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

Part numbering system (example: 10V1000µF)

RV	—	10	V	102	M	H10	□	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol		Taping symbol

- Land pattern size is described on page 10.
- The taping specifications are described on page 11.
- Soldering conditions are described on page 28.

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								
Rated capacitance (µF)	Case	ESR	Case	ESR	Case	ESR	Case	ESR	Case	ESR	Case	ESR	Case	ESR	Case	ESR								
	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω	φ D(mm)	Ω								
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8x10	G10	16.6	94						
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
100	—	—	—	—	8x6.5	G68	4.0	155	8x6.5	G68	3.3	155	8x6.5	G68	2.3	155	8x10	G10	2.0	252	10x10	H10	0.91	458
220	8x6.5	G68	2.1	155	8x6.5	G68	1.8	155	8x10	G10	1.5	252	8x10	G10	1.1	252	10x10	H10	0.91	458	—	—	—	—
330	8x6.5	G68	1.4	155	8x10	G10	1.2	252	8x10	G10	1.0	252	10x10	H10	0.70	458	—	—	—	—	—	—	—	—
470	8x10	G10	0.99	252	10x10	H10	0.85	458	8x10	G10	0.71	252	10x10	H10	0.71	458	—	—	—	—	—	—	—	—
1000	10x10	H10	0.46	458	10x10	H10	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.

