

## Chip Type, 105°C Use, Large Capacitance Capacitors

GREEN CAP

SMD

105°C  
2000hours

Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours at 105°C.  
( $\phi 12.5 \times 13.5L$  : 5000 hours at 105°C)



High temperature



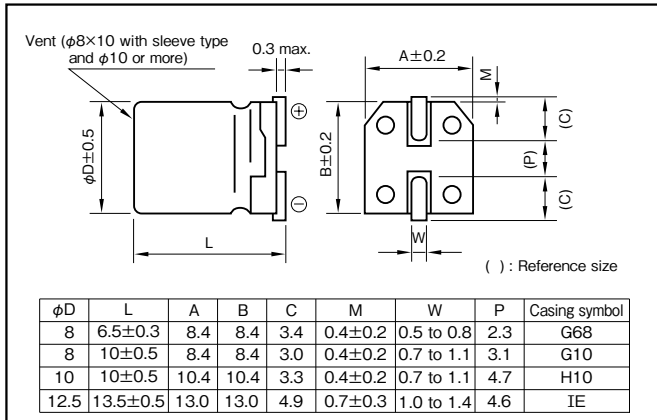
Marking color : Black print  
There are also white print on a brown sleeve (10L or more)

### Specifications

Item	Performance
Category temperature range (°C)	-55 to +105
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)
Leakage current (μA) (max.)	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)
	tanδ (max.)
Characteristics at high and low temperature	Rated voltage (V)
	Impedance ratio (max.)
	Z-25°C/Z+20°C
Endurance (105°C) (Applied ripple current)	Test time
	Leakage current
	Percentage of capacitance change
	Tangent of the loss angle
Shelf life (105°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1
Applicable standards	JIS C5101-1, -18 (IEC 60384-1, -18)

### Outline Drawing

Unit : mm



- Soldering conditions are described on page 15.
- Land pattern size are described on page 13.
- The taping specifications are described on page 16.

### 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

Rated capacitance (μF)	Frequency (Hz)			
	120	1k	10k	100k
47	0.50	0.76	0.87	1
100 to 220	0.70	0.85	0.90	1
330 to 1000	0.80	0.93	0.98	1

### Part numbering system

φ8×6.5L (example : 25V47μF)

RVJ	—	25	V	470	M	G68	U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

φ8×10L (example : 25V100μF) \* However, in the case of 100V, should delate "M".

RVJ	—	25	V	101	M	G10	Y1U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

φ10 (example : 16V470μF)

RVJ	—	16	V	471	M	H10	EU	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

φ12.5 (example : 10V1000μF)

RVJ	—	10	V	102	M	IE	ET	—	R5
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

\*Please inquire sleeve type P/N.

Standard Ratings

Rated voltage (V)	Item	6.3			10			16			25			35			50			63			100			
		Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	Case	Casing symbol	Rated ripple current (mA rms)	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
47	—	—	—	—	—	—	—	—	—	8x6.5	G68	110	8x6.5	G68	110	8x10	G10	178	10x10	H10	160	125x135	IE	475*	—	—
													8x10	G10	178											
100	—	—	—	8x6.5	G68	110	8x6.5	G68	110	8x10	G10	178	10x10	H10	324	8x10	G10	178	125x135	IE	577*	—	—	—	—	—
220	8x10	G10	178	8x10	G10	178	10x10	H10	324	10x10	H10	324	10x10	H10	324	125x135	IE	655*	—	—	—	—	—	—	—	—
330	8x10	G10	178	10x10	H10	324	10x10	H10	324	10x10	H10	324	125x135	IE	747*	—	—	—	—	—	—	—	—	—	—	—
470	10x10	H10	324	10x10	H10	324	10x10	H10	324	125x135	IE	747*	125x135	IE	747*	—	—	—	—	—	—	—	—	—	—	—
1000	10x10	H10	324	10x10	H10	324	125x135	IE	747*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
										125x135	IE	747*	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 105°C, 120Hz  
 (Note\*) Rated ripple current : 105°C, 100kHz

ALUMINUM  
  
CHIP  
ALUMINUM  
  
105°C