

Chip Type, 125°C Use, High CV, Long Life Capacitors

GREEN CAP

SMD

Low ESR

125°C
4000hours

Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guaranteed 4000 hours at 125°C.
(1000 hours : $\phi 6.3 \times 5.8L-50V$)
(2000 hours : $\phi 6.3 \times 5.8L-35V$ or less, $\phi 6.3 \times 7.7L$)

High CV, Long Life



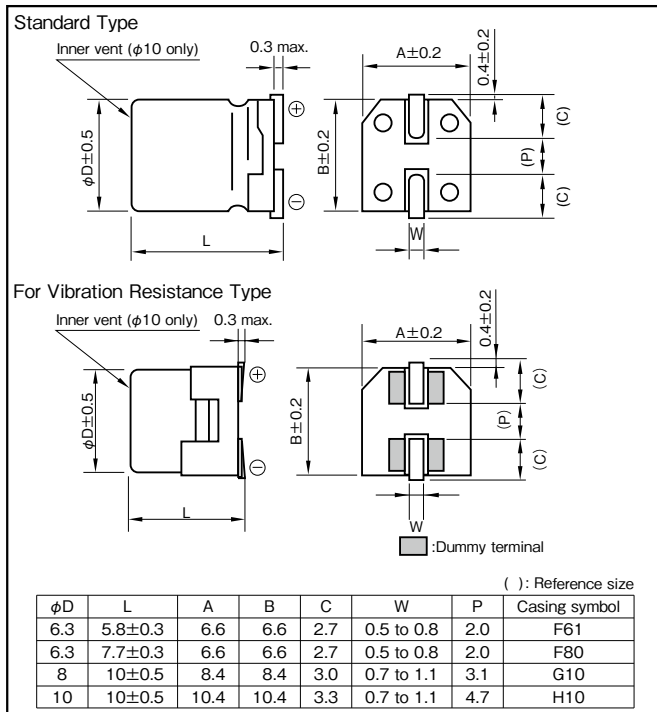
Marking color : Black print

Specifications

Item	Performance					
Category temperature range (°C)	-40 to +125					
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)	10	16	25	35	50
	tanδ (max.)	0.24	0.20	0.16	0.14	0.14
Characteristics at high and low temperature	Impedance ratio (max.)	Z-25°C/Z+20°C		Z-40°C/Z+20°C		(120Hz)
		3	2	2	2	2
Endurance (125°C) (Applied ripple current)	Test time	1000 hours ($\phi 6.3 \times 5.8L : 50V$) 2000 hours ($\phi 6.3 \times 5.8L : 35V$ or less, $\phi 6.3 \times 7.7L$) 4000 hours ($\phi 8, \phi 10$)				
	Leakage current	The initial specified value or less				
	Percentage of capacitance change	Within ±30% of initial value				
	Tangent of the loss angle	300% or less of the initial specified value				
Shelf life (125°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



Refer to individual page.

(Soldering conditions, Land pattern size, The taping specifications)

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	120	1k	10k	100k
Rated voltage(V)				
10 to 50	0.77	0.88	0.96	1

Part numbering system

Standard Type (example : 35V100µF)

RZF	—	35	V	101	M	F80	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping symbol

For Vibration Resistance Type (example : 25V330µF)

RMF	—	25	V	331	M	H10	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping symbol

Standard Ratings

Rated voltage (V) Item Rated capacitance (μF)	10				16				25			
	Case φD × L (mm)	ESR (Ω max.)		Rated ripple current (mA _{rms})	Case φD × L (mm)	ESR (Ω max.)		Rated ripple current (mA _{rms})	Case φD × L (mm)	ESR (Ω max.)		Rated ripple current (mA _{rms})
		20°C	-40°C			20°C	-40°C			20°C	-40°C	
47	—	—	—	—	6.3 × 5.8	1.2	22	110	6.3 × 5.8	1.2	22	110
100	6.3 × 5.8	1.2	22	110	6.3 × 5.8	1.2	22	110	6.3 × 7.7	0.60	12	220
220	6.3 × 7.7	0.60	12	220	6.3 × 7.7	0.60	12	220	8 × 10	0.30	5.5	296
330	8 × 10	0.30	5.5	296	8 × 10	0.30	5.5	296	10 × 10	0.20	3.6	440
470	8 × 10	0.30	5.5	296	10 × 10	0.20	3.6	440	—	—	—	—
680	10 × 10	0.20	3.6	440	10 × 10	0.20	3.6	440	—	—	—	—

Rated voltage (V) Item Rated capacitance (μF)	35				50			
	Case φD × L (mm)	ESR (Ω max.)		Rated ripple current (mA _{rms})	Case φD × L (mm)	ESR (Ω max.)		Rated ripple current (mA _{rms})
		20°C	-40°C			20°C	-40°C	
22	—	—	—	—	6.3 × 5.8	3.2	48	58
33	—	—	—	—	6.3 × 5.8	3.2	48	58
47	6.3 × 5.8	1.2	22	110	6.3 × 7.7	1.2	18	95
100	6.3 × 7.7	0.60	12	220	8 × 10	0.50	7.5	180
220	8 × 10	0.30	5.5	296	10 × 10	0.30	4.5	280
330	10 × 10	0.20	3.6	440	—	—	—	—

(Note) Rated ripple current : 125°C, 100kHz
ESR : 100kHz