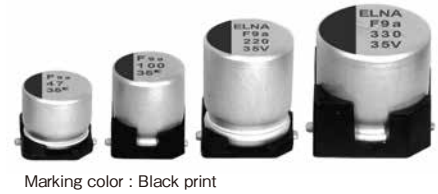
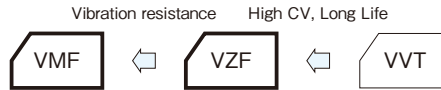


Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Compatible with surface mounting, low ESR, high CV, long life capacitors.
- Environmental : GREEN CAP™ , RoHS compliance.
- 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, $\phi 6.3 \times 7.7L$)

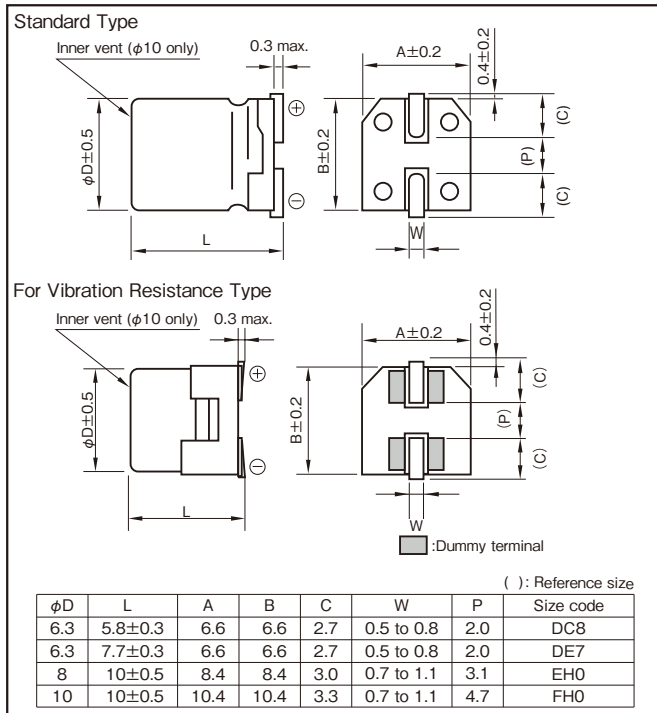


Specifications

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	Rated voltage (V)	10	16	25	35	50	
		Impedance ratio (max.)	Z-25°C/Z+20°C	3	2	2	2
	Z-40°C/Z+20°C	6	4	4	3	3	
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

Product code system (*For general product)

Standard Type (example : 35V100µF)

RS*	VZF	101	M	1G	DE7	002	U
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

For Vibration Resistance Type (example : 25V330µF)

RS*	VMF	331	M	1T	FH0	002	U
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

For details, refer to the various "Product Code System" pages.

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

Standard Ratings

Rated voltage (V) Rated capacitance (μF) Item	10 (1L)				16 (1E)				25 (1T)			
	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) Rated capacitance (μF) Item	35 (1G)				50 (1U)			
	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