

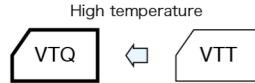
Chip Type 150°C Use, Low ESR, For Vibration Capacitors

- GREEN CAP
- SMD
- Vibration Resistance
- Low ESR
- 150°C 1000hours
- Anti-cleaning solvent

- Compatible with surface mounting.
- For Vibration resistance. (30G guaranteed)
- Supplied with carrier taping.
- Guaranteed 1000 hours at 150°C.



Marking color : Black print

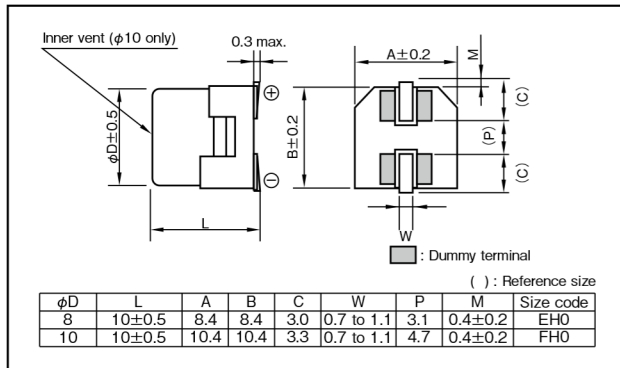


Specifications

Item	Performance							
Category temperature range (°C)	-40 to +150							
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)							
Leakage current (µA) (max.)	Less than 0.02CV 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			
	tanδ (max.)	0.26	0.20	0.16	0.14			
0.02 is added to every 1000µF increase over 1000µF (20°C,120Hz)								
Characteristics at high and low temperature	Rated voltage (V)	10	16	25	35			
	Impedance ratio (max.)	Z-25°C/Z+20°C	3	2	2	2		
Z-40°C/Z+20°C					7	5	3	3
(120Hz)								
Endurance (150°C) (Applied ripple current)	Test time	1000 hours						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±30% of initial value						
	Tangent of loss angle	300% or less of the initial specified value						
Shelf life (150°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 35	0.77	0.88	0.96	1

Product code system : 35V100µF
(*For automotive: powertrain, safety)

RA*	VTQ	101	M	1G	FHO		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.

Standard Ratings

Rated voltage (V)	10 (1L)				16 (1E)				25 (1T)			
	Item	Case	Size code	ESR	Rated ripple current	Case	Size code	ESR	Rated ripple current	Case	Size code	ESR
Rated capacitance (µF)	φD×L (mm)		(Ω max.)	(mArms)	φD×L (mm)		(Ω max.)	(mArms)	φD×L (mm)		(Ω max.)	(mArms)
47	—	—	—	—	8 × 10	EHO	0.70	120	8 × 10	EHO	0.70	120
68	—	—	—	—	8 × 10	EHO	0.70	120	8 × 10	EHO	0.70	120
100	8 × 10	EHO	0.70	120	8 × 10	EHO	0.70	120	8 × 10	EHO	0.70	120
150	—	—	—	—	10 × 10	FHO	0.40	160	10 × 10	FHO	0.40	160
220	8 × 10	EHO	0.70	120	10 × 10	FHO	0.40	160	10 × 10	FHO	0.40	160
330	10 × 10	FHO	0.40	160	10 × 10	FHO	0.40	160	—	—	—	—
470	10 × 10	FHO	0.40	160	—	—	—	—	—	—	—	—

Rated voltage (V)	35 (1G)			
Item	Case	Size code	ESR	Rated ripple current
Rated capacitance (µF)	φD×L (mm)		(Ω max.)	(mArms)
33	8 × 10	EHO	0.70	120
47	8 × 10	EHO	0.70	120
68	8 × 10	EHO	0.70	120
100	10 × 10	FHO	0.40	160
150	10 × 10	FHO	0.40	160

(Note) Rated ripple current : 150°C , 100kHz ; ESR : 20°C , 100kHz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.