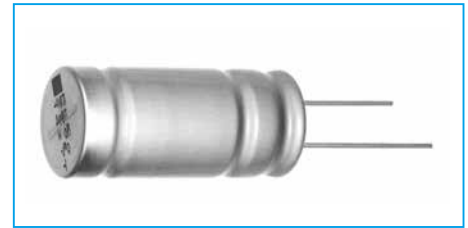
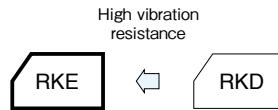


125°C Use, Miniature, Low ESR, High Vibration Resistance Capacitors

GREEN CAP High Vibration Resistance Low ESR 125°C 5000hours Anti-cleaning solvent

- Vibration resistance (40G, 10 to 2000Hz, X, Y, Z = per 2 hours).
- For Automotive application (ABS and electric power steering etc.)
- Guaranteed 5000 hours at 125°C



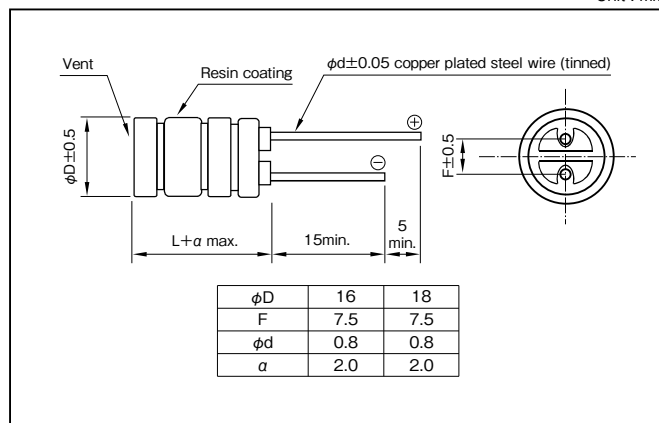
Marking color : Black print

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)	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tanδ (max.)</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	Rated voltage (V)	25	35	50	tanδ (max.)	0.14	0.12	0.10
	Rated voltage (V)	25	35	50					
tanδ (max.)	0.14	0.12	0.10						
0.02 is added to every 1000µF increase over 1000µF. (20°C, 120Hz)									
Characteristics at high and low temperature	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Impedance ratio (max.)</td> <td>Z-40°C/Z+20°C</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage (V)	25	35	50	Impedance ratio (max.)	Z-40°C/Z+20°C	3	3
	Rated voltage (V)	25	35	50					
Impedance ratio (max.)	Z-40°C/Z+20°C	3	3						
(120Hz)									
Endurance (125°C) (Applied ripple current)	Test time	5000 hours							
	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								
Vibration	Vibration test condition								
	Frequency range	10 to 2000Hz							
	Amplitude or Acceleration	1.5 mm peak to peak or 40G (392m/s ²), whichever is the less severe							
	Sweep rate	0.5 octave/min.							
	Vibration axis and duration	X, Y, Z per 2 hours, total 6 hours							
	Fixation	Capacitor mounted by its body which is rigidly clamped to the work surface.							
Specification after test									
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								
Applicable standards	JIS C5101 - 1, - 4 (IEC 60384 - 1, - 4)								

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (µF)	Frequency (Hz)	120	1k	10k	100k
1200 to 6800		0.85	0.95	1.00	1

Product code system : 35V2700µF
(*For automotive: powertrain, safety)

RA*	RKE	272	M	1G	K31		T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

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

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.

Standard Ratings

Rated voltage(V) Item Rated capacitance (μ F)	25 (1T)					35 (1G)					50 (1U)				
	Case ϕ D \times L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mA rms)	Case ϕ D \times L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mA rms)	Case ϕ D \times L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mA rms)
			20°C	-40°C				20°C	-40°C				20°C	-40°C	
1200	—	—	—	—	—	—	—	—	—	—	16 \times 31.5	J31	0.048	0.20	2940
1500	—	—	—	—	—	16 \times 31.5	J31	0.024	0.14	3160	16 \times 35.5	J35	0.039	0.16	3300
2200	—	—	—	—	—	16 \times 35.5	J35	0.023	0.13	3590	18 \times 35.5	K35	0.033	0.15	3520
2700	16 \times 31.5	J31	0.024	0.14	3160	18 \times 31.5	K31	0.020	0.11	3410	—	—	—	—	—
3300	16 \times 35.5	J35	0.023	0.13	3590	18 \times 35.5	K35	0.019	0.10	3840	—	—	—	—	—
4700	18 \times 31.5	K31	0.020	0.11	3410	18 \times 40	K40	0.017	0.094	4250	—	—	—	—	—
5600	18 \times 35.5	K35	0.019	0.10	3840	—	—	—	—	—	—	—	—	—	—
6800	18 \times 40	K40	0.017	0.094	4250	—	—	—	—	—	—	—	—	—	—

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