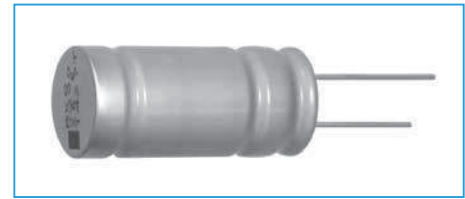


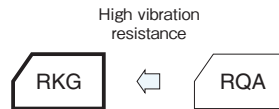
150°C Use, Miniature, Low ESR, High Vibration Resistance Capacitors

GREEN CAP	High Vibration Resistance	Low ESR	150°C 2000hours	Anti-cleaning solvent
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- Vibration resistance (40G, 10 to 2000Hz, X, Y, Z = per 2 hours).
- For Automotive application (ABS and electric power steering etc.)
- Guaranteed 2000 hours at 150°C (63V, 80V : 1000 hours)



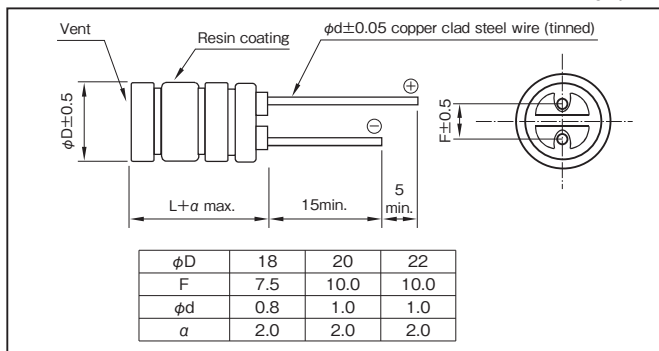
Marking color : Black print



Specifications

Item	Performance					
Category temperature range (°C)	-40 to +150					
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)					
Leakage current (µA)	Less than 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)	25	35	50	63	80
	tanδ (max.)	0.14	0.12	0.10	0.10	0.08
0.02 is added to every 1000µF increase over 1000µF. (20°C, 120Hz)						
Characteristics at high and low temperature	Rated voltage (V)	25	35	50	63	80
	Impedance ratio (max.) Z-40°C/Z+20°C	3	3	3	3	3
(120Hz)						
Endurance (150°C or 125°C) (Applied ripple current)	Test time	2000 hours (63V, 80V : 1000 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 (150°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4					
Vibration	Vibration test condition					
	Frequency range	10 to 2000Hz				
	Displacement amplitude	1.5 mm max.				
	Acceleration	40G (392m/s ²) max.				
	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 1998 (IEC 60384-1 1992, -4 1985)					

Outline Drawing



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (µF)	Frequency (Hz)			
	120	1k	10k	100k
800 to 1000	0.75	0.90	1.00	1
1100 to 4700	0.85	0.95	1.00	1

Part numbering system (example : 35V2700µF)

RKG	—	35	V	272	M	K9	#	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Forming symbol

Standard Ratings

Rated voltage (V)	Item	25						35						50					
		Case	Casing symbol	ESR (Ω max. / 100kHz)		Rated ripple current (mArms / 100kHz)		Case	Casing symbol	ESR (Ω max. / 100kHz)		Rated ripple current (mArms / 100kHz)		Case	Casing symbol	ESR (Ω max. / 100kHz)		Rated ripple current (mArms / 100kHz)	
				20°C	-40°C	150°C	125°C			20°C	-40°C	150°C	125°C			φD × L (mm)	20°C	-40°C	150°C
1800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2700	—	—	—	—	—	—	18 × 42	K9	0.020	0.11	3100	8000	—	—	—	—	—	—	—
3300	—	—	—	—	—	—	20 × 42	L9	0.018	0.10	3500	10000	—	—	—	—	—	—	—
3900	—	—	—	—	—	—	22 × 42	N9	0.018	0.10	3700	10500	—	—	—	—	—	—	—
4700	18 × 42	K9	0.020	0.11	3100	8000	—	—	—	—	—	—	—	—	—	—	—	—	—
	20 × 42	L9	0.018	0.10	3500	10000	—	—	—	—	—	—	—	—	—	—	—	—	—
	22 × 42	N9	0.018	0.10	3700	10500	—	—	—	—	—	—	—	—	—	—	—	—	—

Rated voltage (V)	Item	63				80							
		Case	Casing symbol	ESR (Ω max. / 100kHz)		Rated ripple current (mArms / 100kHz)		Case	Casing symbol	ESR (Ω max. / 100kHz)		Rated ripple current (mArms / 100kHz)	
				20°C	-40°C	150°C	125°C			20°C	-40°C	150°C	125°C
800	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—
1100	—	—	—	—	—	—	—	—	—	—	—	—	—
1200	18 × 42	K9	0.034	0.12	2900	7300	—	—	—	—	—	—	—
1500	20 × 42	L9	0.029	0.11	3300	9300	—	—	—	—	—	—	—
1800	22 × 42	N9	0.029	0.11	3500	9800	—	—	—	—	—	—	—

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.