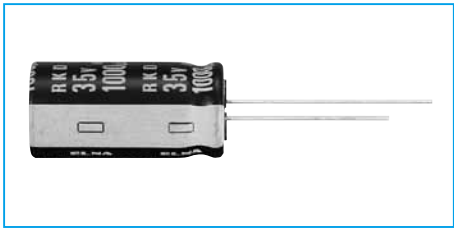
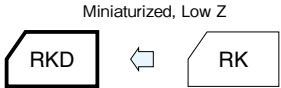


125°C Use, Miniature, Low Impedance Capacitors

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

- Smaller and low ESR than RK series.
- Guarantees 5000 hours at 125°C (φ8 : 2000h, φ10 : 3000h)



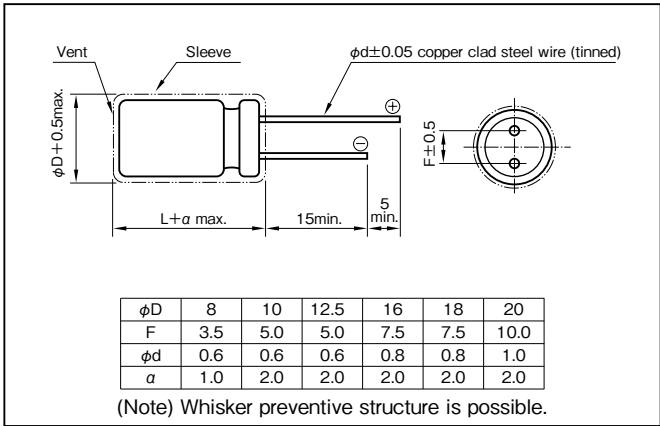
Marking color : White print on a black sleeve

Specifications

Item	Performance									
Category temperature range (°C)	-40 to +125									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (μA)	Less than 0.01CV or 4 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	63	80	100
	tanδ (max.)		0.20	0.16	0.14	0.12	0.10	0.10	0.08	0.08
	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	50	63	80	100
	Impedance ratio (max.)	Z-40°C/Z+20°C	4	3	3	3	3	3	3	3
	(120Hz)									
Endurance (125°C) (Applied ripple current)	Test time		5000 hours (φ8 : 2000 hours) (φ10 : 3000 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 the same as those for the endurance. Voltage application treatment : According to JIS C5101 -1									
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)									

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (μF) \ Frequency (Hz)	50 · 60	120	1k	10k · 100k
100 to 330	0.55	0.65	0.85	1
390 to 1000	0.70	0.75	0.90	1
1200 to 8200	0.80	0.85	0.95	1

Part numbering system (example : 10V1000μF)

RKD	—	10	V	102	M	H5	#	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping(Forming) symbol

If it is whisker preventive structure, should change “#” into “G”.

Standard Ratings

Rated voltage (V) Rated capacitance (μF)	Item	10				16				25				35			
		Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current
		φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)
100		—	—	—	—	8×12	G3	0.153	501	8×12	G3	0.153	501	8×12	G3	0.153	501
220		8×12	G3	0.153	501	8×12	G3	0.153	501	8×12	G3	0.153	501	10×12.5	H3	0.098	732
						10×12.5	H3	0.098	732	10×12.5	H3	0.098	732	10×16	H4	0.075	953
330		8×12	G3	0.153	501	8×12	G3	0.153	501	10×12.5	H3	0.098	732	10×16	H4	0.075	953
		10×12.5	H3	0.098	732	10×12.5	H3	0.098	732	10×16	H4	0.075	953	10×20	H5	0.057	1140
470		10×12.5	H3	0.098	732	10×16	H4	0.075	953	10×16	H4	0.075	953	10×20	H5	0.057	1140
										10×20	H5	0.057	1140	12.5×20	I5	0.040	1820
														16×16	J4	0.044	1930
1000		10×20	H5	0.057	1140	10×20	H5	0.057	1140	12.5×20	I5	0.040	1820	12.5×25	I6	0.032	2400
		12.5×15	I4	0.059	1380	12.5×20	I5	0.040	1820	12.5×25	I6	0.032	2400	16×25	J6	0.024	3100
						16×16	J4	0.044	1930	16×16	J4	0.044	1930	18×20	K5	0.029	2490
1200		—	—	—	—	—	—	—	—	12.5×20	I5	0.040	1820	12.5×30	I7	0.029	2560
														16×20	J5	0.044	2280
1500		—	—	—	—	—	—	—	—	—	—	—	—	12.5×35	I8	0.023	2970
														16×31.5	J7	0.020	3180
														18×25	K6	0.022	3200
1800		—	—	—	—	—	—	—	—	12.5×25	I6	0.032	2400	12.5×40	I9	0.020	3600
										16×20	J5	0.032	2280	16×25	J6	0.024	3100
2200		12.5×25	I6	0.032	2400	12.5×25	I6	0.032	2400	12.5×30	I7	0.029	2560	16×31.5	J7	0.020	3160
		16×20	J5	0.032	2280	16×25	J6	0.024	3100	16×25	J6	0.024	3100	16×35.5	J8	0.019	3590
		18×16	K4	0.041	2170	18×20	K5	0.029	2490	18×20	K5	0.029	2490	18×25	K6	0.022	3200
2700		—	—	—	—	—	—	—	—	12.5×35	I8	0.023	2970	16×35.5	J8	0.019	3590
										16×25	J6	0.024	3100	18×31.5	K7	0.018	3410
										18×20	K5	0.029	2490	20×25	L6	0.022	3500
3300		16×25	J6	0.024	3100	16×31.5	J7	0.020	3160	12.5×40	I9	0.020	3600	16×40	J9	0.017	4300
		18×20	K5	0.029	2490	18×25	K6	0.022	3200	16×31.5	J7	0.020	3160	18×35.5	K8	0.017	4200
3900		—	—	—	—	—	—	—	—	16×35.5	J8	0.019	3590	20×30	L7	0.019	4000
										18×25	K6	0.022	3200	—	—	—	—
4700		16×31.5	J7	0.020	3160	16×35.5	J8	0.019	3590	18×35.5	K8	0.017	4200	18×40	K9	0.016	4600
		18×25	K6	0.022	3200	18×31.5	K7	0.018	3410	20×25	L6	0.022	3500	20×35.5	L8	0.016	4700
5600		—	—	—	—	—	—	—	—	16×40	J9	0.017	4300	20×40	L9	0.015	5100
										18×35.5	K8	0.017	4200	—	—	—	—
										20×30	L7	0.019	4000	—	—	—	—
6800		—	—	—	—	—	—	—	—	18×40	K9	0.016	4600	—	—	—	—
										20×35.5	L8	0.016	4700	—	—	—	—
8200		—	—	—	—	—	—	—	—	20×40	L9	0.015	5100	—	—	—	—

Rated voltage (V) Rated capacitance (μF)	Item	50				63				80				100			
		Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current	Case	Casing symbol	ESR	Rated ripple current
		φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)	φD×L (mm)		(Ω max.)	(mA rms)
220		10×20	H5	0.081	960	—	—	—	—	—	—	—	—	16×20	J5	0.11	1580
330		—	—	—	—	—	—	—	—	16×20	J5	0.11	1790	16×25	J6	0.079	1690
470		12.5×20	I5	0.057	1500	16×20	J5	0.085	1790	16×25	J6	0.079	2030	16×35.5	J8	0.052	2500
560		—	—	—	—	—	—	—	—	18×25	K6	0.064	2280	16×40	J9	0.045	2700
820		12.5×30	I7	0.038	2150	16×31.5	J7	0.053	2330	18×35.5	K8	0.044	2890	18×40	K9	0.039	2880
1000		16×25	J6	0.031	2620	16×35.5	J8	0.044	2580	18×40	K9	0.039	3210	—	—	—	—
1800		18×31.5	K7	0.025	3140	18×40	K9	0.032	3210	—	—	—	—	—	—	—	—
2200		18×35.5	K8	0.022	3510	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 125°C, 100kHz ; ESR : 20°C, 100kHz

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