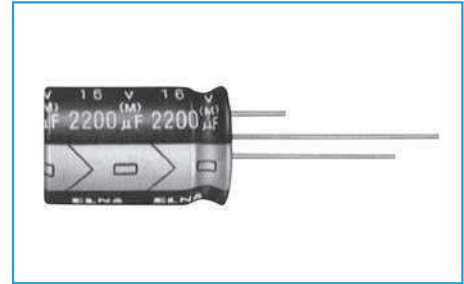


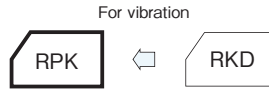
125°C Use, Long Life Capacitors

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

- Guarantees 5000 hours at 125°C.
- Best-suited to smoothing circuits and control circuits for industrial equipment power supplies of which long life and high reliability are required.
- NC terminal added items are lineup for vibration resistance. (30G guaranteed : 20mL or less)



Marking color : White print on a black sleeve

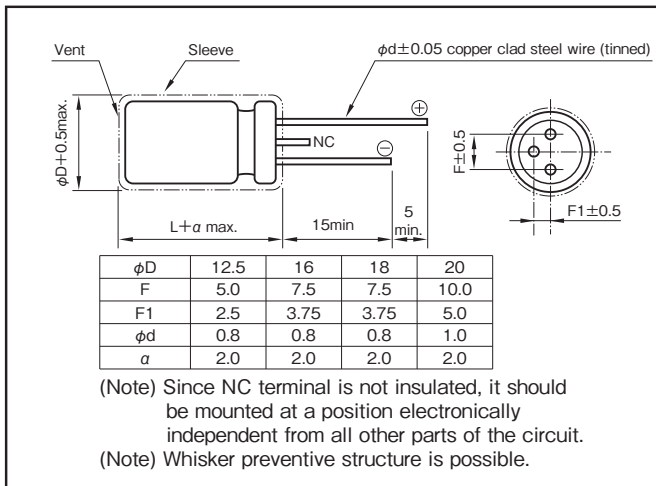


Specifications

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)	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td> </tr> <tr> <td>tanδ (max.)</td> <td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.10</td><td>0.08</td><td>0.08</td> </tr> </table>	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
	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	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td> </tr> <tr> <td>Impedance ratio (max.)</td> <td>Z-40°C/Z+20°C</td> <td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td> </tr> </table>	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
	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											
(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																		
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
220 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 : 16V2200µF)

RPK	—	16	V	222	M	J6	D#	—	□
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)	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			
		$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)			
470		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1000	12.5×15	I4	0.059	1380	12.5×20	I5	0.040	1820	12.5×20	I5	0.040	1820	12.5×25	I6	0.032	2400	12.5×25	I6	0.032	2400
					16×16	J4	0.044	1930	16×16	J4	0.044	1930	16×25	J6	0.024	3100	18×20	K5	0.029	2490
1200		—	—	—	—	—	—	—	12.5×20	I5	0.040	1820	12.5×30	I7	0.029	2560	16×20	J5	0.032	2280
1500	—	—	—	—	—	—	—	—	—	—	—	—	12.5×35	I8	0.023	2970	16×31.5	J7	0.020	3160
													18×25	K6	0.022	3200	18×25	K6	0.022	3200
1800	—	—	—	—	—	—	—	—	12.5×25	I6	0.032	2400	12.5×40	I9	0.020	3600	16×25	J6	0.024	3100
									16×20	J5	0.032	2280	16×25	J6	0.024	3100	16×35.5	J8	0.019	3590
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	16×31.5	J7	0.020	3160
	16×20	J5	0.032	2280	16×25	J6	0.024	3100	16×25	J6	0.024	3100	18×31.5	K7	0.018	3410	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	18×25	K6	0.022	3200
2700	—	—	—	—	—	—	—	—	12.5×35	I8	0.023	2970	16×35.5	J8	0.019	3590	16×35.5	J8	0.019	3590
									16×25	J6	0.024	3100	18×31.5	K7	0.018	3410	18×31.5	K7	0.018	3410
									18×20	K5	0.029	2490	20×25	L6	0.022	3500	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	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	18×35.5	K8	0.017	4200
3900	—	—	—	—	—	—	—	—	16×35.5	J8	0.019	3590	—	—	—	—	—	—	—	
									18×25	K6	0.022	3200	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	18×40	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	20×35.5	L8	0.016	4700
5600	—	—	—	—	—	—	—	—	16×40	J9	0.017	4300	—	—	—	—	—	—	—	
									18×35.5	K8	0.017	4200	20×40	L9	0.015	5100	20×40	L9	0.015	5100
									20×30	L7	0.019	4000	20×30	L7	0.019	4000				
6800	—	—	—	—	—	—	—	—	18×40	K9	0.016	4600	—	—	—	—	—	—		
									20×35.5	L8	0.016	4700	20×35.5	L8	0.016	4700				
8200		—	—	—	—	—	—	—	20×40	L9	0.015	5100	—	—	—	—	—	—		

Rated voltage (V)	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			
		$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)	$\phi D \times L$ (mm)		(Ω max.)	(mArms)			
220		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
330		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
470	12.5×20	I5	0.057	1500	16×20	J5	0.085	1790	16×20	J5	0.11	1790	16×20	J5	0.11	1580	16×20	J5	0.11	1580
560		—	—	—	—	—	—	—	16×20	J5	0.11	1790	16×25	J6	0.079	2030	16×25	J6	0.079	1690
820	12.5×30	I7	0.038	2150	16×31.5	J7	0.053	2330	18×25	K6	0.064	2280	16×40	J9	0.045	2700	16×35.5	J8	0.052	2500
1000	16×25	J6	0.031	2620	16×31.5	J7	0.053	2330	18×35.5	K8	0.044	2890	18×40	K9	0.039	2880	16×40	J9	0.045	2700
1800	18×31.5	K7	0.025	3140	16×35.5	J8	0.044	2580	18×40	K9	0.039	3210	—	—	—	—	—	—	—	
2200	18×35.5	K8	0.022	3510	18×40	K9	0.032	3210	—	—	—	—	—	—	—	—	—	—	—	

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