

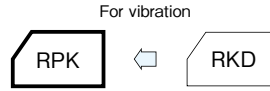
125°C Use, Long Life Capacitors

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

- Guarantees 5000 hours at 125°C. (4000 hours: 63V to 100V - φ16x20L)
- 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)



Marking color : White print on a black sleeve

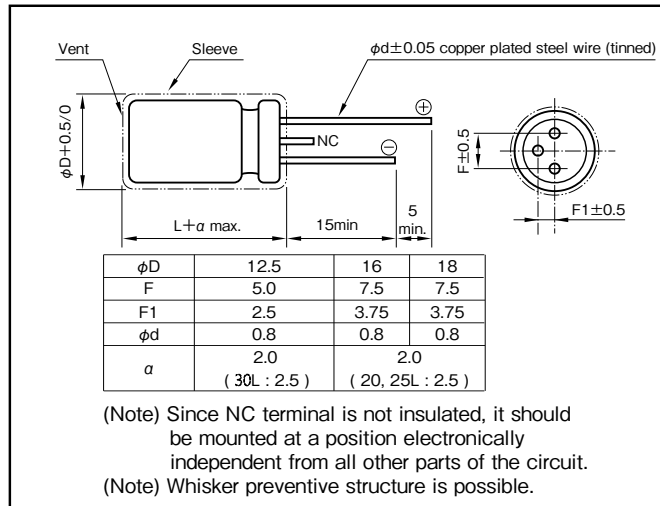


Specifications

Item	Performance																		
Category temperature range (°C)	-40 to +125																		
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)																		
Leakage current (μA) (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" style="width: 100%; text-align: center;"> <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> <p>0.02 is added to every 1000μF increase over 1000μF. (20°C, 120Hz)</p>	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											
Characteristics at high and low temperature	<table border="1" style="width: 100%; text-align: center;"> <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> <p>(120Hz)</p>	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											
Endurance (125°C) (Applied ripple current)	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>Test time</td> <td>5000 hours (4000 hours: 63V to 100V - φ16x20L)</td> </tr> <tr> <td>Leakage current</td> <td>The initial specified value or less</td> </tr> <tr> <td>Percentage of capacitance change</td> <td>Within ±30% of initial value</td> </tr> <tr> <td>Tangent of the loss angle</td> <td>300% or less of the initial specified value</td> </tr> </table>	Test time	5000 hours (4000 hours: 63V to 100V - φ16x20L)	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										
Test time	5000 hours (4000 hours: 63V to 100V - φ16x20L)																		
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																		
Applicable standards	JIS C5101 - 1, - 4 (IEC 60384 - 1, - 4)																		

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (μF)	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 6800	0.80	0.85	0.95	1

Product code system : 16V2200μF (*For general product)

RS*	RPK	222	M	1E	J25		DT
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

- If it is whisker preventive structure, should change "T" into "G".
- For details, refer to the various "Product Code System" pages.

Standard Ratings

Rated voltage (V)	Item	10 (1L)				16 (1E)				25 (1T)				35 (1G)														
		Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)											
470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—											
1000	12.5×15	G15	0.059	1380	12.5×20	G20	0.040	1820	12.5×20	G20	0.040	1820	12.5×25	G25	0.032	2400	12.5×25	G25	0.032	2400								
					16×16	J16	0.044	1930	12.5×25	G25	0.032	2400	16×25	J25	0.024	3100	16×25	J25	0.024	3100								
					16×16	J16	0.044	1930	16×25	J25	0.024	3100	16×25	J25	0.024	3100	18×20	K20	0.029	2490	18×20	K20	0.029	2490				
1200	—	—	—	—	—	—	—	—	12.5×20	G20	0.040	1820	12.5×30	G30	0.029	2560	12.5×30	G30	0.029	2560								
1500	—	—	—	—	—	—	—	—	—	—	—	—	16×20	J20	0.032	2280	16×20	J20	0.032	2280								
													12.5×35	G35	0.023	2970	16×20	J20	0.032	2280	12.5×35	G35	0.023	2970	16×20	J20	0.032	2280
													16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160
1800	—	—	—	—	—	—	—	—	—	—	—	—	18×25	K25	0.022	3200	18×25	K25	0.022	3200								
													12.5×25	G25	0.032	2400	12.5×25	G25	0.032	2400	12.5×25	G25	0.032	2400	12.5×25	G25	0.032	2400
													16×20	J20	0.032	2280	16×20	J20	0.032	2280	16×20	J20	0.032	2280	16×20	J20	0.032	2280
2200	12.5×25	G25	0.032	2400	12.5×25	G25	0.032	2400	12.5×30	G30	0.029	2560	12.5×30	G30	0.029	2560	16×25	J25	0.024	3100								
					16×20	J20	0.032	2280	16×25	J25	0.024	3100	16×25	J25	0.024	3100	16×25	J25	0.024	3100								
					18×16	K16	0.041	2170	18×20	K20	0.029	2490	18×20	K20	0.029	2490	18×20	K20	0.029	2490	18×20	K20	0.029	2490				
2700	—	—	—	—	—	—	—	—	—	—	—	—	12.5×35	G35	0.023	2970	12.5×35	G35	0.023	2970								
													16×25	J25	0.024	3100	16×25	J25	0.024	3100	16×25	J25	0.024	3100	16×25	J25	0.024	3100
													18×20	K20	0.029	2490	18×20	K20	0.029	2490	18×20	K20	0.029	2490	18×20	K20	0.029	2490
3300	16×25	J25	0.024	3100	16×31.5	J31	0.020	3160	12.5×40	G40	0.020	3600	12.5×40	G40	0.020	3600	16×40	J40	0.017	4300								
	18×20	K20	0.029	2490	18×25	K25	0.022	3200	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160								
3900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									
	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160	16×31.5	J31	0.020	3160								
4700	18×25	K25	0.022	3200	18×31.5	K31	0.018	3410	18×35.5	K35	0.017	4200	18×35.5	K35	0.017	4200	18×40	K40	0.016	4600								
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									
5600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									
6800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									

Rated voltage (V)	Item	50 (1U)				63 (4E)				80 (1R)				100 (1H)						
		Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mA rms)			
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
330	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
470	12.5×20	G20	0.070	1500	—	—	—	—	16×25	J25	0.116	1500	16×25	J25	0.127	1460	16×25	J25	0.127	1460
560	—	—	—	—	—	—	—	—	18×25	K25	0.100	1600	16×40	J40	0.069	2200	16×40	J40	0.069	2200
820	12.5×30	G30	0.038	2150	16×31.5	J31	0.080	1910	18×35.5	K35	0.062	2180	18×40	K40	0.059	2330	18×40	K40	0.059	2330
1000	16×25	J25	0.031	2620	16×35.5	J35	0.066	2110	18×40	K40	0.051	2470	—	—	—	—	—	—	—	
1800	18×31.5	K31	0.025	3140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2200	18×35.5	K35	0.022	3510	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

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