

Chip type, 105°C Use, Long Life, High CV Capacitors

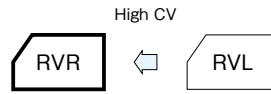
GREEN CAP

SMD

105°C
2000hours

Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours 105°C.



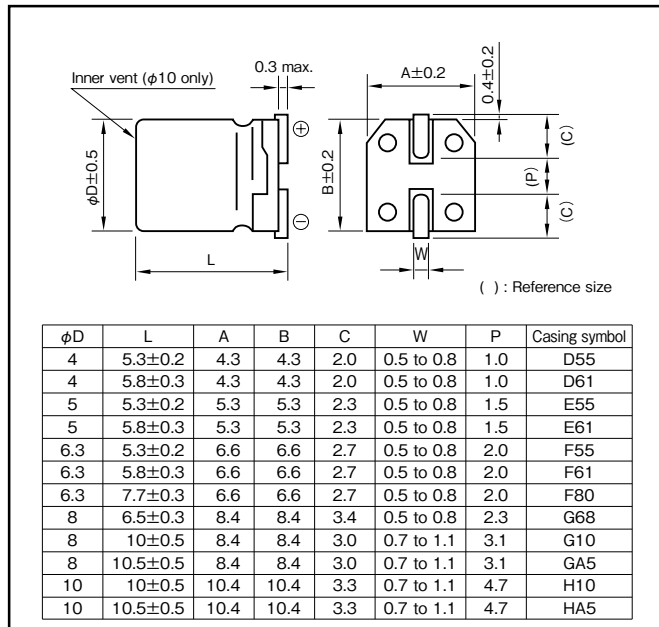
Marking color : Black print

Specifications

Item	Performance																							
Category temperature range (°C)	-40 to +105																							
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)																							
Leakage current (µA) (max.)	0.01 CV 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"> <thead> <tr> <th>Rated voltage (V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tanδ (max.)</td> <td>0.50</td> <td>0.30</td> <td>0.22</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p>	Rated voltage (V)	4	6.3	10	16	25	35	50	tanδ (max.)	0.50	0.30	0.22	0.16	0.14	0.12	0.12							
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Endurance (105°C) (Applied ripple current)	<table border="1"> <thead> <tr> <th>Test time</th> <th>2000 hours</th> </tr> </thead> <tbody> <tr> <td>Leakage current</td> <td>The initial specified value or less</td> </tr> <tr> <td>Percentage of capacitance change</td> <td>Within ±20% of initial value(φ5 or Smaller & 16V or less:±30%)</td> </tr> <tr> <td>Tangent of loss angle</td> <td>200% or less of the initial specified value</td> </tr> </tbody> </table>	Test time	2000 hours	Leakage current	The initial specified value or less	Percentage of capacitance change	Within ±20% of initial value(φ5 or Smaller & 16V or less:±30%)	Tangent of loss angle	200% or less of the initial specified value															
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Shelf life (105°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,- 18 (IEC 60384 - 1,- 18)																							

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50 · 60	120	1k	10k · 100k
Rated voltage(V)				
6.3 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50	0.50	1	1.35	1.50

Part numbering system (example : 16V100µF)

RVR	—	16	V	101	M	F61	U	—	
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

Refer to individual page.
(Soldering conditions, Land pattern size, The taping specifications)

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) Rated capacitance(μF)	Item	4			6.3			10			16			25				
		Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)	Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)	Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)	Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)	Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)		
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	—	—	—	4×5.3	D55	26	4×5.8	D61	33	4×5.3	D55	25	4×5.8	D61	36			
				4×5.8	D61	28				4×5.8	D61	27						
33	—	—	—	5×5.8	E61	40	6.3×5.8	F61	74	4×5.8	D61	41	5×5.8	E61	46			
										5×5.3	E55	43	5×5.3	E55	39			
										5×5.8	E61	47	5×5.8	E61	46	6.3×5.3	F55	65
										6.3×5.3	F55	71	6.3×5.8	F61	99	6.3×5.8	F61	66
47	4×5.8	D61	42	4×5.8	D61	42	6.3×5.8	F61	74	5×5.8	E61	66	6.3×5.8	F61	82			
				5×5.3	E55	46				6.3×5.3	F55	70						
				5×5.8	E61	48				6.3×5.8	F61	78						
100	5×5.8	E61	70	5×5.8	E61	70	6.3×5.8	F61	95	6.3×5.8	F61	112	6.3×7.7	F80	132			
				6.3×5.3	F55	71							8×6.5	G68	146			
				6.3×5.8	F61	99							—	—	—			
150	—	—	—	—	—	—	6.3×5.8	F61	117	8×6.5	G68	151	—	—	—			
220	6.3×5.8	F61	121	6.3×5.8	F61	121	6.3×7.7	F80	156	6.3×7.7	F80	183	8×10	G10	320			
							8×6.5	G68	173	8×6.5	G68	157	8×10.5	GA5	320			
330	6.3×7.7	F80	163	6.3×7.7	F80	163	8×10	G10	296	8×10	G10	291	8×10.5	GA5	340			
	8×6.5	G68	181	8×6.5	G68	181	8×10.5	GA5	296	8×10	G10	291	8×10.5	GA5	340			
470	—	—	—	8×10	G10	320	8×10	G10	326	8×10	G10	348	10×10.5	HA5	490			
680	—	—	—	8×10.5	GA5	340	8×10.5	GA5	326	8×10.5	GA5	348	—	—	—			
							10×10	H10	440	10×10	H10	484	—	—	—			
820	—	—	—	—	—	—	10×10.5	HA5	440	10×10.5	HA5	484	—	—	—			
							—	—	—	—	—	—	—	—	—	—		
1000	—	—	—	8×10.5	GA5	370	10×10.5	HA5	500	—	—	—	—	—	—			
				10×10	H10	495												
				10×10.5	HA5	495												
1200	—	—	—	—	—	—	10×10.5	HA5	500	—	—	—	—	—	—			
1500	—	—	—	10×10.5	HA5	550	—	—	—	—	—	—	—	—	—			

Rated voltage(V) Rated capacitance(μF)	Item	35			50		
		Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)	Case φD×L (mm)	Casing symbol	Rated ripple current (mAmps)
1	—	—	—	4×5.3	D55	10	
				4×5.8	D61	12	
2.2	—	—	—	4×5.3	D55	16	
				4×5.8	D61	19	
3.3	—	—	—	4×5.3	D55	16	
				4×5.8	D61	22	
				4×5.8	D61	26	
4.7	4×5.8	D61	23	5×5.3	E55	23	
				5×5.8	E61	29	
				5×5.8	E61	29	
6.8	—	—	—	5×5.3	E55	23	
				—	—	—	
10	4×5.8	D61	30	5×5.8	E61	35	
	5×5.3	E55	28	6.3×5.3	F55	35	
	5×5.8	E61	39	6.3×5.8	F61	47	
22	5×5.8	E61	52	6.3×5.8	F61	61	
	6.3×5.3	F55	55				
33	6.3×5.8	F61	74	6.3×7.7	F80	82	
	—	—	—	8×6.5	G68	91	
47	6.3×5.8	F61	89	6.3×7.7	F80	97	
	—	—	—	8×6.5	G68	108	
68	6.3×7.7	F80	117	—	—	—	
	8×6.5	G68	130	—	—	—	
100	6.3×7.7	F80	142	8×10.5	GA5	230	
	8×6.5	G68	158				
	8×10	G10	283	10×10.5	HA5	262	
	8×10.5	GA5	283				
150	8×10	G10	293	10×10.5	HA5	300	
	8×10.5	GA5	293				
220	8×10.5	GA5	302	10×10.5	HA5	375	
	10×10	H10	450				
330	10×10.5	HA5	450	—	—	—	

(Note) Rated ripple current : 105° C, 120Hz

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