

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Compatible with surface mounting.
- Environmental : GREEN CAP™ , RoHS compliance.
- Supplied with carrier taping.
- Guaranteed 2000 hours 105°C.

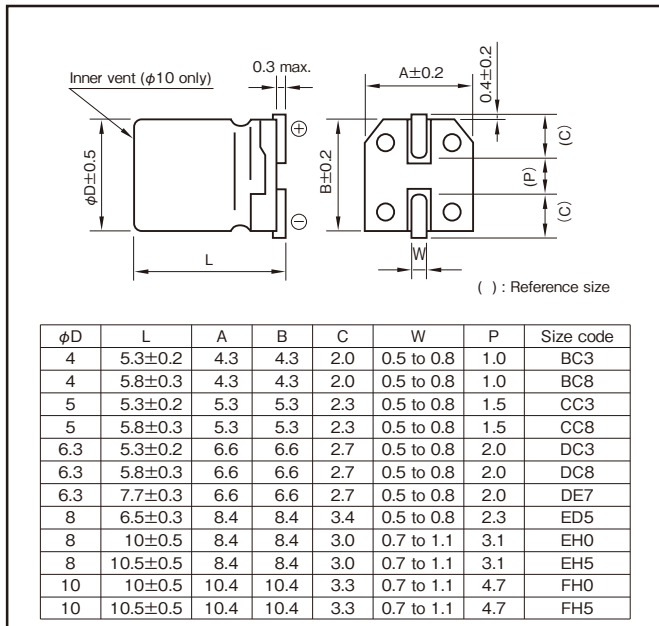


### Specifications

Item	Performance																										
Category temperature range (°C)	-40 to +105																										
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"> <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> (20°C,120Hz)		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 less &amp; 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 less & 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



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

### 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

### Product code system : 16V100F (\*For general product)

RS*	VVR	101	M	1E	DC8	002	U
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

For details, refer to the various "Product Code System" pages.

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

### Standard Ratings

Rated voltage(V) Rated capacitance(μF)	4 (1A)			6.3 (1J)			10 (1L)			16 (1E)			25 (1T)					
	Case φD×L (mm)	Size code	Rated ripple current (mArms)	Case φD×L (mm)	Size code	Rated ripple current (mArms)	Case φD×L (mm)	Size code	Rated ripple current (mArms)	Case φD×L (mm)	Size code	Rated ripple current (mArms)	Case φD×L (mm)	Size code	Rated ripple current (mArms)			
4.7	-	-	-	-	-	-	-	-	-	-	-	-	4×5.3	BC3	22			
6.8	-	-	-	-	-	-	-	-	-	-	-	-	4×5.3	BC3	25			
10	-	-	-	-	-	-	-	-	-	-	4×5.3	BC3	25	4×5.8	BC8	36		
22	-	-	-	4×5.3	BC3	26	4×5.8	BC8	33	4×5.8	BC8	27						
				4×5.8	BC8	28				4×5.8	BC8	39						
				5×5.8	CC8	46				5×5.3	CC3	39						
										5×5.8	CC8	46						
33	-	-	-	5×5.8	CC8	40	4×5.8	BC8	41	5×5.8	CC8	55	5×5.8	CC8	59			
							5×5.3	CC3	43				6.3×5.8	DC8	66	6.3×5.3	DC3	65
							5×5.8	CC8	47				6.3×5.8	DC8	66	6.3×5.8	DC8	69
47	4×5.8	BC8	42	4×5.8	BC8	42	6.3×5.8	DC8	74	5×5.8	CC8	66	6.3×5.8	DC8	82			
				5×5.3	CC3	46				6.3×5.3	DC3	70						
				5×5.8	CC8	48				6.3×5.8	DC8	78						
				5×5.8	CC8	70												
100	5×5.8	CC8	70	6.3×5.3	DC3	71	6.3×5.8	DC8	95	6.3×5.8	DC8	112	6.3×7.7	DE7	132			
				6.3×5.8	DC8	99							8×6.5	ED5	146			
				-	-	-							-	-	-	-	-	-
150	-	-	-	-	-	-	6.3×5.8	DC8	117	8×6.5	ED5	151	-	-	-			
220	6.3×5.8	DC8	121	6.3×5.8	DC8	121	6.3×7.7	DE7	156	6.3×7.7	DE7	183	8×10	EH0	320			
							8×6.5	ED5	173				8×6.5	ED5	157	8×10.5	EH5	340
330	6.3×7.7	DE7	163	6.3×7.7	DE7	163	8×10	EH0	296	8×10	EH0	291	8×10.5	EH5	340			
	8×6.5	ED5	181	8×6.5	ED5	181	8×10.5	EH5	296									
470	-	-	-	8×10	EH0	320	8×10	EH0	326	8×10	EH0	348	10×10.5	FH5	490			
				8×10.5	EH5	320	8×10.5	EH5	326							8×10.5	EH5	348
680	-	-	-	8×10.5	EH5	340	10×10	FH0	440	10×10	FH0	484	-	-	-			
							10×10.5	FH5	440									
820	-	-	-	-	-	-	-	-	-	10×10.5	FH5	484	-	-	-			
1000	-	-	-	8×10.5	EH5	370	10×10.5	FH5	500	-	-	-	-	-	-			
				10×10	FH0	495												
				10×10.5	FH5	495												
1200	-	-	-	-	-	-	10×10.5	FH5	500	-	-	-	-	-	-			
1500	-	-	-	10×10.5	FH5	550	-	-	-	-	-	-	-	-	-			

Rated voltage(V) Rated capacitance(μF)	35 (1G)			50 (1U)		
	Case φD×L (mm)	Size code	Rated ripple current (mArms)	Case φD×L (mm)	Size code	Rated ripple current (mArms)
1	-	-	-	4×5.3	BC3	10
				4×5.8	BC8	12
2.2	-	-	-	4×5.3	BC3	16
				4×5.8	BC8	19
3.3	-	-	-	4×5.3	BC3	16
				4×5.8	BC8	22
4.7	4×5.8	BC8	23	4×5.8	BC8	26
				5×5.3	CC3	23
				5×5.8	CC8	29
				6.3×5.3	DC3	55
6.8	-	-	-	5×5.3	CC3	23
				4×5.8	BC8	30
10	4×5.8	BC8	30	5×5.8	CC8	35
	5×5.3	CC3	28	6.3×5.3	DC3	35
	5×5.8	CC8	39	6.3×5.8	DC8	47
22	5×5.8	CC8	52	6.3×5.8	DC8	61
	6.3×5.3	DC3	55			
33	6.3×5.8	DC8	74	6.3×7.7	DE7	82
				8×6.5	ED5	91
47	6.3×5.8	DC8	89	6.3×7.7	DE7	97
				8×6.5	ED5	108
68	6.3×7.7	DE7	117	-	-	-
	8×6.5	ED5	130	-	-	-
100	6.3×7.7	DE7	142	8×10.5	EH5	230
	8×6.5	ED5	158			
	8×10	EH0	283			
	8×10.5	EH5	283			
150	8×10	EH0	293	10×10.5	FH5	300
	8×10.5	EH5	293			
220	8×10.5	EH5	302	10×10.5	FH5	375
	10×10	FH0	450			
330	10×10.5	FH5	450	-	-	-

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

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.