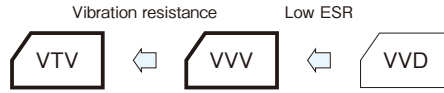


Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

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



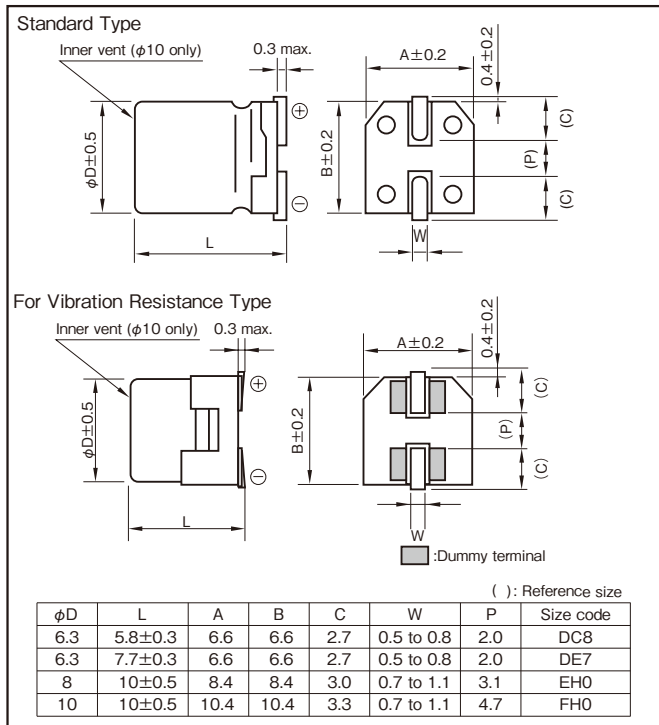
Marking color : Black print

Specifications

Item	Performance																										
Category temperature range (°C)	-55 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>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>0.26</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table> <p>(20°C,120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	tanδ (max.)	0.26	0.19	0.16	0.14	0.12	0.10												
Rated voltage (V)	6.3	10	16	25	35	50																					
tanδ (max.)	0.26	0.19	0.16	0.14	0.12	0.10																					
Characteristics at high and low temperature	<table border="1"> <thead> <tr> <th>Rated voltage (V)</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 rowspan="3">Impedance ratio (max.)</td> <td>Z-25°C/Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z-55°C/Z+20°C</td> <td>4</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> <p>(120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	Z-40°C/Z+20°C	3	3	3	3	3	Z-55°C/Z+20°C	4	4	4	3	3
Rated voltage (V)	6.3	10	16	25	35	50																					
Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2																					
	Z-40°C/Z+20°C	3	3	3	3	3																					
	Z-55°C/Z+20°C	4	4	4	3	3																					
Endurance (105°C) (Applied ripple current)	<table border="1"> <tbody> <tr> <td>Test time</td> <td>2000 hours</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>200% or less of initial specified value</td> </tr> </tbody> </table>	Test time	2000 hours	Leakage current	The initial specified value or less	Percentage of capacitance change	Within ±30% of initial value	Tangent of the loss angle	200% or less of initial specified value																		
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Tangent of the loss angle	200% or less of initial specified value																										
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 50	0.50	0.50	0.75	1

Product code system (*For general product)

Standard Type (example : 16V100µF)

RS*	VVV	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 Vibration Resistance Type (example : 25V470µF)

RS*	VTV	471	M	1T	FH0	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)	Item	6.3 (1J)				10 (1L)				16 (1E)			
		Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)
47	—	—	—	—	—	—	—	—	—	6.3 × 5.8	DC8	0.26	300
100	6.3 × 5.8	DC8	0.26	300	—	—	—	—	—	6.3 × 5.8	DC8	0.26	300
										6.3 × 7.7	DE7	0.16	600
220	6.3 × 5.8	DC8	0.26	300	6.3 × 7.7	DE7	0.16	600	6.3 × 7.7	DE7	0.16	600	
330	6.3 × 7.7	DE7	0.16	600	8 × 10	EH0	0.09	850	8 × 10	EH0	0.09	850	
470	8 × 10	EH0	0.09	850	8 × 10	EH0	0.09	850	8 × 10	EH0	0.09	850	
680	—	—	—	—	8 × 10	EH0	0.09	850	10 × 10	FH0	0.07	1190	
1000	8 × 10	EH0	0.09	850	10 × 10	FH0	0.07	1190	—	—	—	—	
1500	10 × 10	FH0	0.07	1190	—	—	—	—	—	—	—	—	

Rated voltage (V)	Item	25 (1T)				35 (1G)				50 (1U)			
		Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mAmps)
33	6.3 × 5.8	DC8	0.26	300	6.3 × 5.8	DC8	0.26	300	—	—	—	—	
47	6.3 × 5.8	DC8	0.26	300	6.3 × 5.8	DC8	0.26	300	—	—	—	—	
100	6.3 × 7.7	DE7	0.16	600	6.3 × 7.7	DE7	0.16	600	8 × 10	EH0	0.18	670	
					8 × 10	EH0	0.09	850					
220	8 × 10	EH0	0.09	850	8 × 10	EH0	0.09	850	10 × 10	FH0	0.12	900	
330	8 × 10	EH0	0.09	850	10 × 10	FH0	0.07	1190	—	—	—	—	
470	10 × 10	FH0	0.07	1190	—	—	—	—	—	—	—	—	

(Note) Rated ripple current : 105°C , 100kHz
ESR : 20°C , 100kHz