

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, long life capacitors.
- Environmental : GREEN CAP™, RoHS compliance.
- Supplied with carrier taping.
- Guaranteed 7000 hours at 105°C.
($\phi 6.3 \times 5.8L$: 5000 hours)



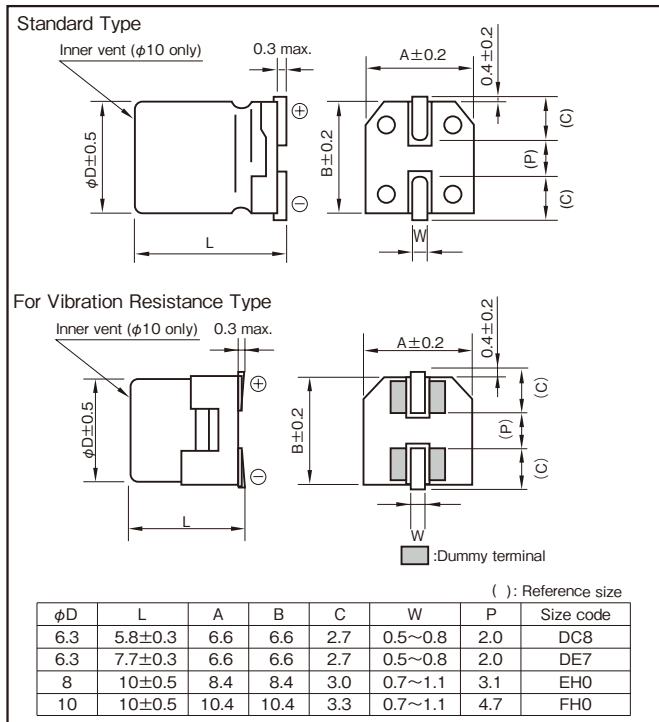
Marking color : Black print

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> </tr> </thead> <tbody> <tr> <td>tanδ (max.)</td> <td>0.32</td> <td>0.28</td> <td>0.26</td> <td>0.16</td> <td>0.14</td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	tanδ (max.)	0.32	0.28	0.26	0.16	0.14																		
Rated voltage (V)	6.3	10	16	25	35																										
tanδ (max.)	0.32	0.28	0.26	0.16	0.14																										
Characteristics at high and low temperature	<table border="1"> <thead> <tr> <th rowspan="3">Impedance ratio (max.)</th> <th colspan="6">Rated voltage (V)</th> </tr> <tr> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> </tr> </thead> <tbody> <tr> <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>4</td> <td>4</td> </tr> </tbody> </table> <p>(120Hz)</p>	Impedance ratio (max.)	Rated voltage (V)						6.3	10	16	25	35	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	4	4
Impedance ratio (max.)	Rated voltage (V)																														
	6.3		10	16	25	35																									
	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	4	4																										
Endurance (105°C) (Applied ripple current)	<table border="1"> <tbody> <tr> <td>Test time</td> <td>7000 hours ($\phi 6.3 \times 5.8L$: 5000 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>300% or less of the initial specified value</td> </tr> </tbody> </table>	Test time	7000 hours ($\phi 6.3 \times 5.8L$: 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																						
Test time	7000 hours ($\phi 6.3 \times 5.8L$: 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 (105°C)	Test time : 1000 hours ; other items are the same as those for 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)	120	1k	10k	100k
Rated voltage (V)				
6.3 to 35	0.50	0.80	0.95	1

Product code system (*For general product)

Standard Type (example : 35V100µF)

RS*	VZH	101	M	1G	DE7	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 : 35V330µF)

RS*	VMH	331	M	1G	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 Rated capacitance(μF)	6.3 (1J)				10 (1L)				16 (1E)				25 (1T)			
	Case φD×L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mArms)	Case φD×L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mArms)	Case φD×L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mArms)	Case φD×L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mArms)
33	—	—	—	—	—	—	—	—	—	—	—	—	6.3×5.8	DC8	1.10	140
47	—	—	—	—	—	—	—	—	6.3×5.8	DC8	1.10	140	6.3×5.8	DC8	1.10	140
100	6.3×5.8	DC8	1.10	140	6.3×5.8	DC8	1.10	140	6.3×5.8	DC8	1.10	140	6.3×7.7	DE7	1.00	230
150	6.3×5.8	DC8	1.10	140	6.3×5.8	DC8	1.10	140	6.3×5.8	DC8	1.10	140	8×10	EH0	0.22	600
220	6.3×7.7	DE7	1.00	230	6.3×7.7	DE7	1.00	230	6.3×7.7	DE7	1.00	230	8×10	EH0	0.22	600
330	6.3×7.7	DE7	1.00	230	8×10	EH0	0.22	600	8×10	EH0	0.22	600	8×10	EH0	0.22	600
470	8×10	EH0	0.22	600	8×10	EH0	0.22	600	8×10	EH0	0.22	600	10×10	FH0	0.16	850
680	10×10	FH0	0.16	850	10×10	FH0	0.16	850	10×10	FH0	0.16	850	—	—	—	—
1000	10×10	FH0	0.16	850	—	—	—	—	—	—	—	—	—	—	—	—

Rated voltage(V) Item Rated capacitance(μF)	35 (1G)			
	Case φD×L (mm)	Size code	ESR (Ω max.)	Rated ripple current (mArms)
22	6.3×5.8	DC8	1.10	140
33	6.3×5.8	DC8	1.10	140
	6.3×7.7	DE7	1.00	230
47	6.3×7.7	DE7	1.00	230
100	6.3×7.7	DE7	1.00	230
150	8×10	EH0	0.22	600
220	8×10	EH0	0.22	600
330	10×10	FH0	0.16	850

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