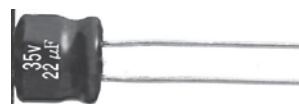




# ZLA series

- Low ESR
- Low Profile
- RoHS compliant

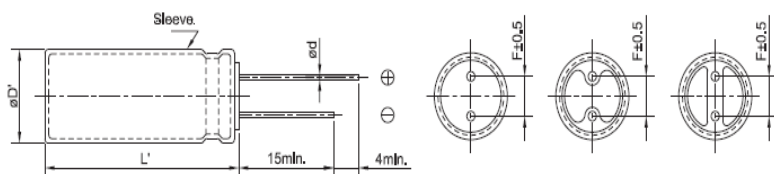
- 105 °C 2,000Hrs assured.
- Non-solvent proof
- Height 7mm
- For LCD/PDP TV PSU, DVD Drive
- Halogen-free capacitors are also available.



## Specifications

Item	Characteristics																					
Rated Voltage Range	6.3 - 50VDC																					
Operating Temperature Range	-40 ~ +105°C																					
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)																					
Leakage Current	I=0.01CV(µA) or 3µA, whichever is greater. Where, I:Max. Leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(VDC) (at 20°C, 2 minutes)																					
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated Voltage(VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.22</td> <td>0.20</td> <td>0.18</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table> (at 20°C, 120Hz)	Rated Voltage(VDC)	6.3	10	16	25	35	50	Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12	0.10							
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Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12	0.10																
Temperature characteristics (Max,impedance ratio)	<table border="1"> <tr> <td>Rated Voltage(VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z(-25°C)/(20°C)</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/(20°C)</td> <td>9</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> (at ,120Hz)	Rated Voltage(VDC)	6.3	10	16	25	35	50	Z(-25°C)/(20°C)	3	3	2	2	2	2	Z(-40°C)/(20°C)	9	7	5	3	3	3
Rated Voltage(VDC)	6.3	10	16	25	35	50																
Z(-25°C)/(20°C)	3	3	2	2	2	2																
Z(-40°C)/(20°C)	9	7	5	3	3	3																
Load life	The following specifications shall be satisfied when then the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C. Capacitance change ≤±20% of the initial value Tanδ ≤200% of the initial specified value Leakage current ≤The of the initial specified value																					
Shelf life	The following specifications shall be satisfied when the capacitors are restored are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied the rated voltage shall be applied to the capacitors for a minimum of 30 minutes at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤±20% of the initial value Tanδ ≤200% of the initial specified value Leakage current ≤The initial specified value																					

## Dimension ( CE04 Type )

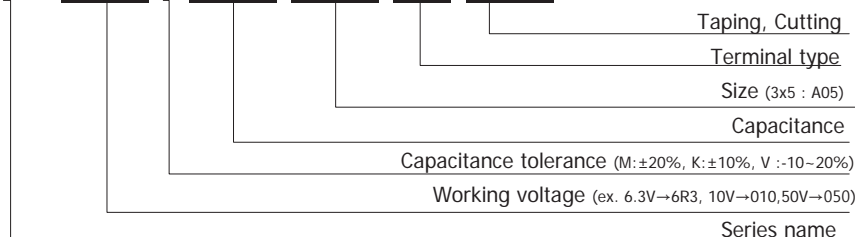


Unit (mm)

	5	6.3	8
ØD	5	6.3	8
Ød	0.45	0.45	0.45
F	2.0	2.5	3.5
ØD'	ØD+0.5 max.		
L'	L+1.0 max		

- Printed black color letter on PET orange sleeve

## Code numbering system



Ø5	D
Ø6.3	E
Ø8	F

ZLA series

■ Standard Rating

WV (Vdc)	Cap (µF)	Size ØxL (mm)	Tanδ	Ripple Current (mA <sub>RMS</sub> /105°C, 120Hz)	Code No
6.3	33	5 x 7	0.22	160	ZLA6R3□330D07CS□□□
	47	5 x 7	0.22	160	ZLA6R3□470D07CS□□□
	68	6.3 x 7	0.22	260	ZLA6R3□680E07CS□□□
	100	6.3 x 7	0.22	260	ZLA6R3□101E07CS□□□
	150	6.3 x 7	0.22	260	ZLA6R3□151E07CS□□□
	220	8 x 7	0.22	450	ZLA6R3□221F07CS□□□
10	33	5 x 7	0.20	160	ZLA010□330D07CS□□□
	47	5 x 7	0.20	160	ZLA010□470D07CS□□□
	68	6.3 x 7	0.20	250	ZLA010□680E07CS□□□
	100	6.3 x 7	0.20	250	ZLA010□101E07CS□□□
	150	6.3 x 7	0.20	250	ZLA010□151E07CS□□□
	220	8 x 7	0.20	450	ZLA010□221F07CS□□□
16	33	5 x 7	0.18	160	ZLA016□330D07CS□□□
	47	5 x 7	0.18	160	ZLA016□473D07CS□□□
	68	6.3 x 7	0.18	250	ZLA016□680E07CS□□□
	100	6.3 x 7	0.18	250	ZLA016□101E07CS□□□
	150	8 x 7	0.18	450	ZLA016□151F07CS□□□
25	33	5 x 7	0.14	160	ZLA025□330D07CS□□□
	47	6.3 x 7	0.14	250	ZLA025□470E07CS□□□
	68	6.3 x 7	0.14	250	ZLA025□680E07CS□□□
	100	8 x 7	0.14	450	ZLA025□101F07CS□□□
35	22	5 x 7	0.12	160	ZLA035□220D07CS□□□
	33	6.3 x 7	0.12	250	ZLA035□330E07CS□□□
	47	8 x 7	0.12	450	ZLA035□470F07CS□□□
	68	8 x 7	0.12	450	ZLA035□680F07CS□□□
50	1.0	5 x 7	0.10	80	ZLA050□1R0D07CS□□□
	2.2	5 x 7	0.10	120	ZLA050□2R2D07CS□□□
	10	6.3 x 7	0.10	250	ZLA050□100E07CS□□□
	22	6.3 x 7	0.10	250	ZLA050□220E07CS□□□
	33	8 x 7	0.10	450	ZLA050□330F07CS□□□
	47	8 x 7	0.10	450	ZLA050□470F07CS□□□

■ Rated ripple current multipliers

Cap(µF) \ Freq.(Hz)	120	1k	10k	50k	100k
1 ~ 180	0.40	0.75	0.90	0.95	1.00
220 ~ 330	0.50	0.85	0.94	0.97	1.00