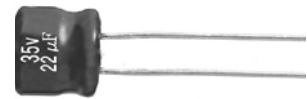




ZLA series

- Low ESR
- Low Profile
- RoHS compliant

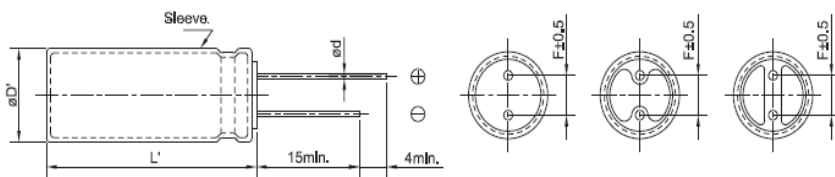
- 105°C 2,000Hrs assured.
- Non-solvent proof
- Height 7mm
- For LCD/PDP TV PSU, DVD Drive
- Halogen-free capacitors are also available.



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							
Rated Voltage(VDC)	6.3	10	16	25	35	50																
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 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)

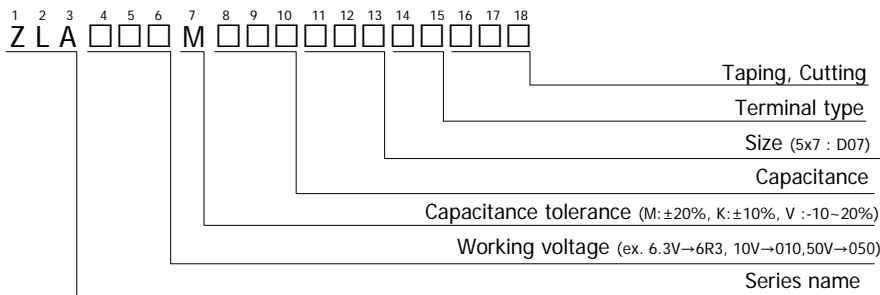


Unit (mm)

	5	6.3	8
ØD	5	6.3	8
Ød	0.5	0.5	0.5 0.6
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



Terminal type	Size (5x7 : D07)
Ø5	D
Ø6.3	E
Ø8	F



ZLA series

Standard Rating

WV (Vdc)	Cap (uF)	Size ØxL (mm)	Tanδ	Ripple Current (mA _{RMS} /105°C, 100kHz)	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□470D07CS□□□
	68	6.3 x 7	0.18	250	ZLA016□680E07CS□□□
	100	6.3 x 7	0.18	250	ZLA016□101E07CS□□□
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(uF) \ 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