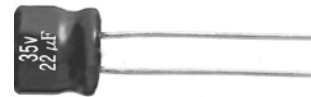


ZLE series

- Low ESR
- Low Profile
- RoHS compliant
- Solvent Proof

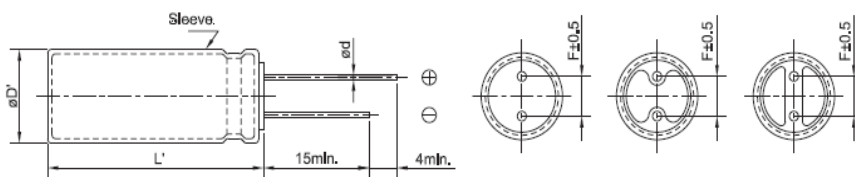
- 105°C 2,000Hrs assured.
- Height 5mm
- Wide Temperature range
- For LCD/PDP TV PSU, DVD Drive
- Halogen-free capacitors are also available.



Specifications

Item	Characteristics																		
Rated Voltage Range	6.3 ~ 35VDC																		
Operating Temperature Range	-55 ~ +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> </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> </tr> </table> (at 20°C, 120Hz)	Rated Voltage(VDC)	6.3	10	16	25	35	Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12						
Rated Voltage(VDC)	6.3	10	16	25	35														
Tanδ(Max.)	0.22	0.20	0.18	0.14	0.12														
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> </tr> <tr> <td>Z(-25°C)/(20°C)</td> <td>3</td> <td>3</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> </tr> </table> (at 120Hz)	Rated Voltage(VDC)	6.3	10	16	25	35	Z(-25°C)/(20°C)	3	3	2	2	2	Z(-40°C)/(20°C)	9	7	5	3	3
Rated Voltage(VDC)	6.3	10	16	25	35														
Z(-25°C)/(20°C)	3	3	2	2	2														
Z(-40°C)/(20°C)	9	7	5	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)

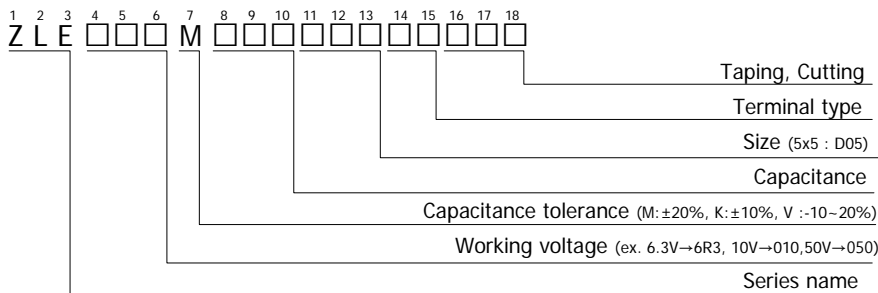


Unit (mm)

ØD	5	6.3
Ød	0.5	0.5
F	2.0	2.5
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



ZLE 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 5	0.22	100	ZLE6R3□330D05CS□□□
	47	5 x 5	0.22	100	ZLE6R3□470D05CS□□□
	68	6.3 x 5	0.22	140	ZLE6R3□680E05CS□□□
	100	6.3 x 5	0.22	140	ZLE6R3□101E05CS□□□
10	33	5 x 5	0.20	100	ZLE010□330D05CS□□□
	47	6.3 x 5	0.20	100	ZLE010□470E05CS□□□
	68	6.3 x 5	0.20	140	ZLE010□680E05CS□□□
	100	6.3 x 5	0.20	140	ZLE010□101E05CS□□□
16	15	5 x 5	0.18	100	ZLE016□150D05CS□□□
	22	5 x 5	0.18	100	ZLE016□220D05CS□□□
	33	6.3 x 5	0.18	140	ZLE016□330E05CS□□□
	47	6.3 x 5	0.18	140	ZLE016□470E05CS□□□
25	10	5 x 5	0.14	100	ZLE025□100D05CS□□□
	15	5 x 5	0.14	100	ZLE025□150D05CS□□□
	22	5 x 5	0.14	100	ZLE025□220D05CS□□□
	33	6.3 x 5	0.14	140	ZLE025□330E05CS□□□
	47	6.3 x 5	0.14	140	ZLE025□470E05CS□□□
35	1.0	5 x 5	0.12	80	ZLE035□1R0D05CS□□□
	1.5	5 x 5	0.12	80	ZLE035□1R5D05CS□□□
	2.2	5 x 5	0.12	80	ZLE035□2R2D05CS□□□
	3.3	5 x 5	0.12	80	ZLE035□3R3D05CS□□□
	4.7	5 x 5	0.12	80	ZLE035□4R7D05CS□□□
	6.8	5 x 5	0.12	80	ZLE035□6R8D05CS□□□
	10	5 x 5	0.12	100	ZLE035□100D05CS□□□
	15	5 x 5	0.12	100	ZLE035□150D05CS□□□
	22	6.3 x 5	0.12	140	ZLE035□220E05CS□□□
33	6.3 x 5	0.12	140	ZLE035□330E05CS□□□	

Rated ripple current multipliers

Cap(uF) \ Freq.(Hz)	120	1k	10k	50k	100k
1 ~ 100	0.40	0.75	0.90	0.95	1.00