

## SSL Series

### Features

- 85°C, 1,000 hours assured, 5mm height with low leakage current
- Use in very compact high temperature industrial equipment
- RoHS Compliance

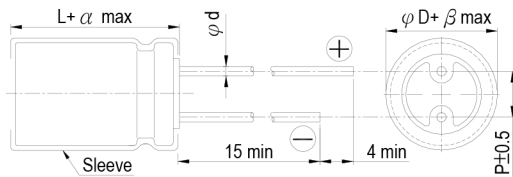


Sleeve & Marking Color: Orange & Black

### Specifications

Items	Performance																											
Category Temperature Range	-40°C ~ +85°C																											
Capacitance Tolerance	±20% (at 120Hz, 20°C)																											
Leakage Current (at 20°C)	$I = 0.002CV$ or $0.4 (\mu A)$ whichever is greater (after 2 minutes) Where, C= rated capacitance in $\mu F$ V = rated DC working voltage in V																											
Tan $\delta$ (at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>4</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>Tan<math>\delta</math> (max)</td> <td>0.35</td> <td>0.27</td> <td>0.23</td> <td>0.19</td> <td>0.15</td> <td>0.13</td> <td>0.11</td> </tr> </tbody> </table>	Rated Voltage	4	6.3	10	16	25	35	50	Tan $\delta$ (max)	0.35	0.27	0.23	0.19	0.15	0.13	0.11											
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Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>4</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>Impedance</td> <td><math>Z(-25^\circ C)/Z(+20^\circ C)</math></td> <td>6</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Ratio</td> <td><math>Z(-40^\circ C)/Z(+20^\circ C)</math></td> <td>12</td> <td>9</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage		4	6.3	10	16	25	35	50	Impedance	$Z(-25^\circ C)/Z(+20^\circ C)$	6	3	2	2	2	2	2	Ratio	$Z(-40^\circ C)/Z(+20^\circ C)$	12	9	7	5	3	3	3
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Shelf Life Test	Test time: 500 hours; other items are the same as those for the Endurance.																											

### Diagram of Dimensions



### Lead Spacing and Diameter

Unit: mm

$\phi D$	4	5	6.3
P	1.5	2.0	2.5
$\phi d$	0.45		
$\alpha$	1.0		
$\beta$	0.5		

### Dimension & Permissible Ripple Current

Dimension:  $\phi D \times L$ (mm)

Ripple Current: mA/rms at 120 Hz, 85°C

$\mu F$	V. DC Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
		$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA
1	010													4×5	6.9
2.2	2R2													4×5	10
3.3	3R3													4×5	13
4.7	4R7									4×5	14	4×5	16	5×5	19
10	100							4×5	19	5×5	23	5×5	24	6.3×5	32
22	220			4×5	22	5×5	24	5×5	28	6.3×5	38	6.3×5	42		
33	330	5×5	27	5×5	28	5×5	30	6.3×5	41	6.3×5	46				
47	470	5×5	32	5×5	34	6.3×5	43	6.3×5	50						
100	101	6.3×5	54	6.3×5	60										

### Part Numbering System

SSL series	100 $\mu F$	±20%	6.3V	Bulk Package	Gas Type	6.3 $\phi \times 5L$	Pb-free and PET coating case
<b>SSL</b>	<b>101</b>	<b>M</b>	<b>0J</b>	<b>BK</b>	-	<b>0605</b>	
Series	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Lead Wire and Coating Type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 10.