

SSL Series

Features

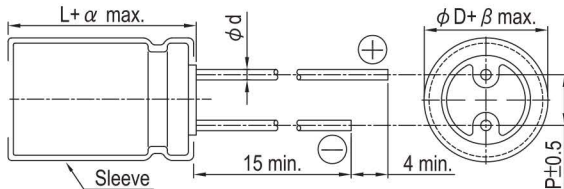
- 85°C, 1,000 hours assured, 5mm height with low leakage current
- Use in very compact high temperature industrial equipment
- RoHS compliance
- AEC-Q200 Parts Available: Replace “S” Suffix with “KS” or “LS” Suffix



Specifications

Items	Performance																										
Category Temperature Range	-40°C ~ +85°C																										
Capacitance Tolerance	±20% (at 120 Hz, 20°C)																										
Leakage Current (at 20°C)	I = 0.002CV or 0.4 (µA) whichever is greater (after 2 minutes) Where, C= rated capacitance in µF, V = rated DC working voltage in V																										
Tanδ (at 120 Hz, 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>Tanδ (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	Tanδ (max)	0.35	0.27	0.23	0.19	0.15	0.13	0.11										
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Low Temperature Characteristics (at 120 Hz)	<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 rowspan="2">Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</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>Z(-40°C)/Z(+20°C)</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 Ratio	Z(-25°C)/Z(+20°C)	6	3	2	2	2	2	2	Z(-40°C)/Z(+20°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

Parameter	4	5	6.3
φD	4	5	6.3
P	1.5	2.0	2.5
φd	0.45		
α	1.0		
β	0.5		

Dimension and Permissible Ripple Current

Dimension: φD × L(mm)

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

Rated Volt. (Voc)	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
	Cap. (µF)	Contents	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×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	100µF	±20%	6.3V	Bulk Package	Gas Type	6.3 φ ×5L	
SSL	101	M	0J	BK	-	0605	S
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration and Package	Rubber Type	Case Size	Regional Code

Note: For more details, please refer to “Part Numbering System (Radial Type)” on page 13.