

SLA Series

Features

- 85°C, 7mm height, low leakage current
- RoHS Compliance

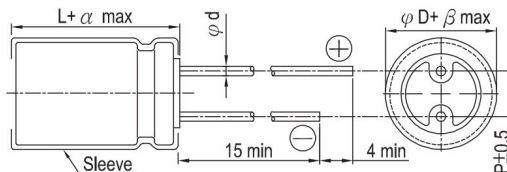


Sleeve & Marking Color: Orange & Black

Specifications

Items	Performance																																																	
Category Temperature Range	-40℃ ~ +85℃																																																	
Capacitance Tolerance	±20% (at 120Hz, 20℃)																																																	
Leakage Current (at 20℃)	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 120Hz, 20℃)	<table><tr><td>Rated Voltage</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td>Tanδ (max)</td><td>0.35</td><td>0.23</td><td>0.21</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.10</td></tr></table>										Rated Voltage	4	6.3	10	16	25	35	50	63	Tanδ (max)	0.35	0.23	0.21	0.16	0.14	0.12	0.10	0.10																						
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Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. <table><tr><td colspan="2">Rated Voltage</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td rowspan="2">Impedance Ratio</td><td>Z(-25℃)/Z(+20℃)</td><td>6</td><td>4</td><td>3</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40℃)/Z(+20℃)</td><td>12</td><td>10</td><td>8</td><td>6</td><td>5</td><td>4</td><td>4</td><td>4</td></tr></table>										Rated Voltage		4	6.3	10	16	25	35	50	63	Impedance Ratio	Z(-25℃)/Z(+20℃)	6	4	3	3	2	2	2	2	Z(-40℃)/Z(+20℃)	12	10	8	6	5	4	4	4											
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Endurance	<table><tr><td>Test Time</td><td colspan="9">2,000 Hrs</td></tr><tr><td>Capacitance Change</td><td colspan="9">Within ±20% of initial value</td></tr><tr><td>Tanδ</td><td colspan="9">Less than 200% of specified value</td></tr><tr><td>Leakage Current</td><td colspan="9">Within specified value</td></tr></table> * The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 2,000 hours at 85℃.										Test Time	2,000 Hrs									Capacitance Change	Within ±20% of initial value									Tanδ	Less than 200% of specified value									Leakage Current	Within specified value								
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Shelf Life Test	Test time: 500 hours; other items are the same as those for the Endurance.																																																	
Ripple Current and Frequency Multipliers	<table><tr><td>Freq.(Hz) Cap.(μF)</td><td>60 (50)</td><td>120</td><td>500</td><td>1k</td><td>10k up</td></tr><tr><td>Under 47</td><td>0.70</td><td>1.00</td><td>1.20</td><td>1.30</td><td>1.45</td></tr><tr><td>100</td><td>0.80</td><td>1.00</td><td>1.10</td><td>1.15</td><td>1.20</td></tr></table>										Freq.(Hz) Cap.(μF)	60 (50)	120	500	1k	10k up	Under 47	0.70	1.00	1.20	1.30	1.45	100	0.80	1.00	1.10	1.15	1.20																						
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Diagram of Dimensions



Lead Spacing and Diameter

φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.5		
α		1.0		
β		0.5		

Unit: mm

Dimension and Permissible Ripple Current

Dimension: φD × L(mm)

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

V. DC μF	Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)	
		φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
1	010													4×7	10	4×7	10
2.2	2R2													4×7	16	5×7	19
3.3	3R3											4×7	18	4×7	20	6.3×7	29
4.7	4R7									4×7	19	5×7	21	5×7	24	6.3×7	36
10	100							4×7	27	5×7	29	6.3×7	36	6.3×7	40		
22	220					4×7	36	4×7	40	6.3×7	47	6.3×7	53				
33	330	4×7	33	4×7	41	5×7	44	5×7	55	6.3×7	63	8×7	71				
47	470	4×7	39	5×7	49	6.3×7	54	6.3×7	62	8×7	74						
100	101	6.3×7	59	6.3×7	75	8×7	90	8×7	110								

Part Numbering System

SLA Series	100μF	±20%	6.3V	Bulk Package	Gas Type	6.3φ×7L	Pb-free and PET sleeve
SLA	101	M	0J	BK	-	0607	S
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Lead Wire and Sleeve type
							Supplement Code

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

All product specifications in the catalog are subject to change without notice. (CAT. 2017E1)