

SSV SERIES

85°C 4.6mm MAX Height, Lead Free Reflow Soldering.

◆FEATURES

- Case Dia $\phi 4 \sim \phi 6.3$ mm.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.



◆SPECIFICATIONS

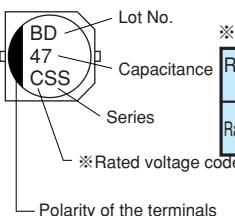
Items	特 性								Characteristics																									
Category Temperature Range	$-40 \sim +85^\circ\text{C}$																																	
Rated Voltage Range	$4 \sim 50\text{V.DC}$																																	
Capacitance Tolerance	$\pm 20\%$ ($20^\circ\text{C}, 120\text{Hz}$)																																	
Leakage Current(MAX)	I=0.01CV or $3\ \mu\text{A}$ whichever is greater. I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V) (After 2 minutes application of rated voltage)																																	
Dissipation Factor(MAX) (tan δ)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tan δ</td> <td>0.45</td> <td>0.30</td> <td>0.24</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> </tr> </table> $(20^\circ\text{C}, 120\text{Hz})$								Rated Voltage (V)	4	6.3	10	16	25	35	50	tan δ	0.45	0.30	0.24	0.19	0.16	0.14	0.14										
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tan δ	0.45	0.30	0.24	0.19	0.16	0.14	0.14																											
Endurance	<p>After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within $\pm 25\%$ of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 250% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>								Capacitance Change	Within $\pm 25\%$ of the initial value.	Dissipation Factor	Not more than 250% of the specified value.	Leakage Current	Not more than the specified value.																				
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>4</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)/Z(20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table> (120Hz)								Rated Voltage (V)	4	6.3	10	16	25	35	50	Z(-25°C)/Z(20°C)	7	4	3	2	2	2	2	Z(-40°C)/Z(20°C)	15	8	8	4	4	3	3		
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Z(-40°C)/Z(20°C)	15	8	8	4	4	3	3																											

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k \leq	
Coefficient	0.1~ $1\ \mu\text{F}$	0.50	1.00	1.20	1.30	1.50
	2.2~ $4.7\ \mu\text{F}$	0.65	1.00	1.20	1.30	1.50
	10~ $47\ \mu\text{F}$	0.80	1.00	1.20	1.30	1.50
	100~ $220\ \mu\text{F}$	0.80	1.00	1.10	1.15	1.20

◆MARKING



Lot No.	※Voltage Code							
Capacitance	Rated Voltage (V)	4	6.3	10	16	25	35	50
Series	Rated Voltage code	g	j	A	C	E	V	H

※Rated voltage code

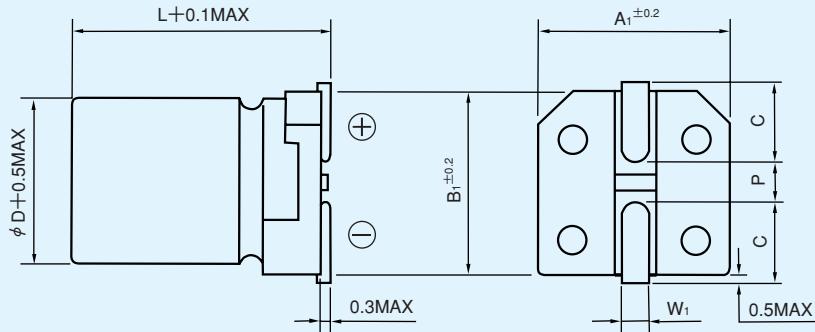
◆PART NUMBER

□□□ — SSV — □□□□□ — □ — □□□ — DXL
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Case Size



DIMENSIONS

(mm)



ϕ	D	L	A ₁	B ₁	C	W ₁	P
4	4.5	4.3	4.3	1.8	0.5~0.8	1.0	
5	4.5	5.3	5.3	2.2	0.5~0.8	1.3	
6.3	4.5	6.6	6.6	2.7	0.5~0.8	1.8	

◆ STANDARD SIZE, RATED RIPPLE CURRENT

Size ϕ D×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)