

**SSV SERIES**

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

◆ **FEATURES**

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



◆ **SPECIFICATIONS**

Items	Characteristics																																
Category Temperature Range	-40~+85°C																																
Rated Voltage Range	4~50V.DC																																
Capacitance Tolerance	± 20% (20°C, 120Hz)																																
Leakage Current(MAX)	I=0.01CV or 3 $\mu$ A whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current( $\mu$ A)      C=Rated Capacitance( $\mu$ F)      V=Rated Voltage(V)																																
Dissipation Factor(MAX) (tan $\delta$ )	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</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>(20°C, 120Hz)</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> </tbody> </table>	Rated Voltage (V)	4	6.3	10	16	25	35	50	(20°C, 120Hz)	0.45	0.30	0.24	0.19	0.16	0.14	0.14																
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Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 85°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±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 ±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"> <thead> <tr> <th>Rated Voltage(V)</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>(120Hz)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></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> </tbody> </table>	Rated Voltage(V)	4	6.3	10	16	25	35	50	(120Hz)								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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◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

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

◆ **MARKING**

\*Voltage Code

Rated Voltage (V)	4	6.3	10	16	25	35	50
Rated Voltage code	g	j	A	C	E	V	H

◆ **PART NUMBER**

□□□    **SSV**    □□□□    □    □□□    **DxL**  
 Rated Voltage    Series    Rated Capacitance    Capacitance Tolerance    Option    Case Size

