

SSV SERIES
85°C 4.6mm MAX Height, Lead Free Reflow Soldering.
◆ FEATURES

- Case Dia ϕ 4~ ϕ 6.3mm.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

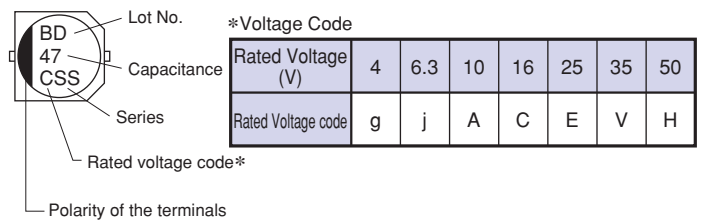

◆ SPECIFICATIONS

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 μ A whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μ A) C=Rated Capacitance(μ F) V=Rated Voltage(V)																								
Dissipation Factor(MAX) (tan δ)	<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>tanδ</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> (20°C, 120Hz)	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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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"> <tbody> <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> </tbody> </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>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> (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 μ F	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 μ F	0.65	1.00	1.20	1.30	1.50
	10~47 μ F	0.80	1.00	1.20	1.30	1.50
	100~220 μ F	0.80	1.00	1.10	1.15	1.20

◆ MARKING

◆ PART NUMBER

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

