

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.

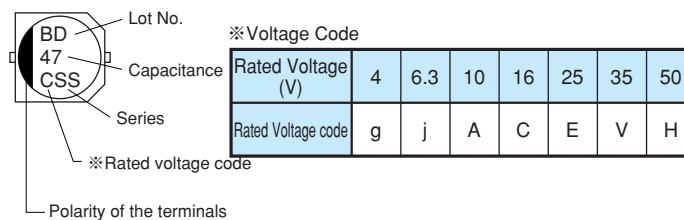

◆SPECIFICATIONS

Items	特 性	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 μA whichever is greater.	(After 2 minutes application of rated voltage)																								
	I=Leakage Current(μA)	C=Rated Capacitance(μF) V=Rated Voltage(V)																								
Dissipation Factor(MAX) (tan δ)		(20°C, 120Hz)																								
	<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>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> </tbody> </table>	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)		(120Hz)																								
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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 μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
	10~47 μF	0.80	1.00	1.20	1.30	1.50
	100~220 μF	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

