

**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.

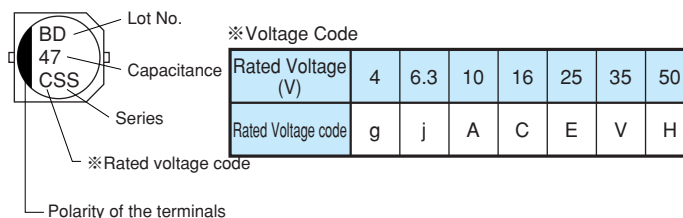

**◆SPECIFICATIONS**

Items	特 性	Characteristics																								
Category Temperature Range	-40~+85℃																									
Rated Voltage Range	4~50V.DC																									
Capacitance Tolerance	±20% (20℃, 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><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℃, 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℃, the capacitors shall meet the following requirements. <table><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><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℃)/Z(20℃)</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℃)/Z(20℃)</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℃)/Z(20℃)	7	4	3	2	2	2	2	Z(-40℃)/Z(20℃)	15	8	8	4	4	3	3
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Z(-40℃)/Z(20℃)	15	8	8	4	4	3	3																			

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

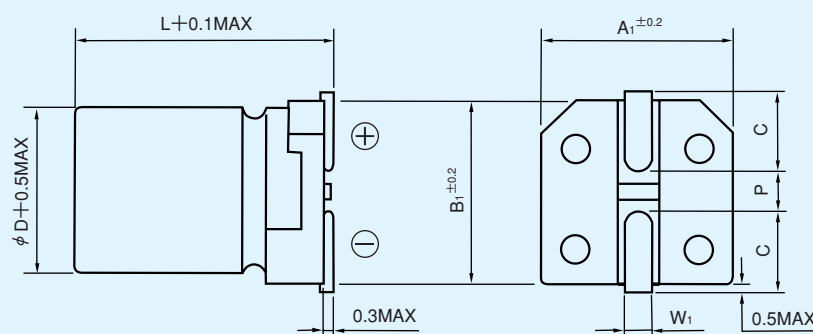
Frequency (Hz)	60 (50)	120	500	1k	10k $\leq$
Coefficient					
0.1~1 $\mu\text{F}$	0.50	1.00	1.20	1.30	1.50
2.2~4.7 $\mu\text{F}$	0.65	1.00	1.20	1.30	1.50
10~47 $\mu\text{F}$	0.80	1.00	1.20	1.30	1.50
100~220 $\mu\text{F}$	0.80	1.00	1.10	1.15	1.20

**◆MARKING**

**◆PART NUMBER**

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Rated Voltage	SSV Series	Rated Capacitance	Capacitance Tolerance	Option	D×L Case Size

## ◆ DIMENSIONS

(mm)



$\phi$ D	L	A <sub>1</sub>	B <sub>1</sub>	C	W <sub>1</sub>	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  $\phi$  D×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)[illegible]