

**SJV SERIES**

105°C Long Life, Lead Free Reflow Soldering.

◆FEATURES

- Load Life : 105°C 3000 hours.
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance. •RoHS compliance.

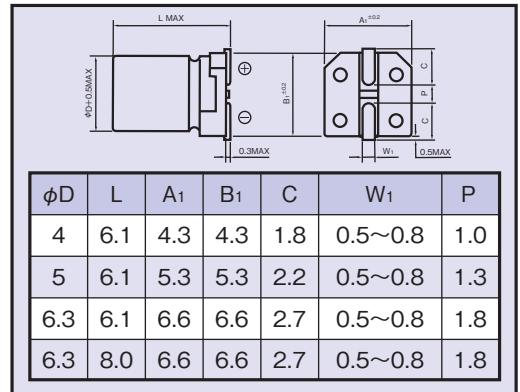
◆SPECIFICATIONS

Items	Characteristics																					
Category Temperature Range	-40~+105°C																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	±20% (20°C, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=(μA) Leakage Current      C=(μF) Rated Capacitance      V=(V) Rated Voltage																					
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tanδ</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> </tr> </table> <p>(20°C, 120Hz)</p>	Rated Voltage	6.3	10	16	25	35	50	tanδ	0.30	0.24	0.20	0.16	0.14	0.14							
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Endurance	After applying rated voltage with rated ripple current for 3000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>xCapacitance Change</td> <td>Within ±30% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	xCapacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 300% 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</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>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>14</td> <td>12</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table> <p>(120Hz)</p>	Rated Voltage	6.3	10	16	25	35	50	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	Z(-40°C)/Z(20°C)	14	12	8	6	4	3
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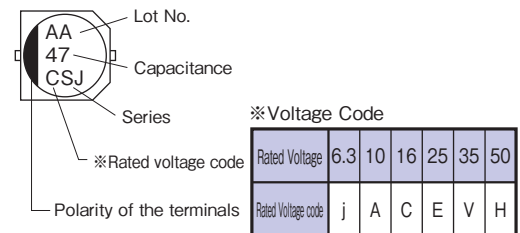


◆DIMENSIONS

(mm)



◆MARKING



◆MULTIPLIER FOR RIPPLE CURRENT  
Frequency Coefficient

(Hz) Frequency	60(50)	120	500	1k	10k≤
0.1~1μF	0.50	1.00	1.20	1.30	1.50
2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
10~47μF	0.80	1.00	1.20	1.30	1.50
100~220μF	0.80	1.00	1.10	1.15	1.20

◆STANDARD SIZE Size φD×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
6.3 (0J)	22	4×6.1	22
	47	5×6.1	38
	100	6.3×6.1	69
	220	6.3×8	120
10(1A)	33	5×6.1	35
16 (1C)	10	4×6.1	18
	22	5×6.1	30
	47	6.3×6.1	50
	100	6.3×8	81

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
25 (1E)	33	6.3×6.1	50
	47	6.3×8	63
	4.7	4×6.1	16
35 (1V)	10	5×6.1	27
	22	6.3×6.1	44
	33	6.3×8	57

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
50 (1H)	0.1	4×6.1	1.0
	0.22	4×6.1	2.6
	0.33	4×6.1	3.2
	0.47	4×6.1	4
	1	4×6.1	8
	2.2	4×6.1	11
	3.3	4×6.1	14
	4.7	5×6.1	19
	10	6.3×6.1	32
	22	6.3×8	58

◆PART NUMBER

