

SLV SERIES

105°C Long Life, Lead Free Reflow Soldering.

◆FEATURES

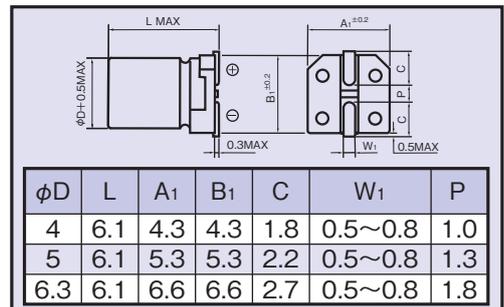
- Load Life : 105°C 5000 hours.                      •RoHS compliance.
- Lead free reflow soldering is available.
- Available for high density mounting.



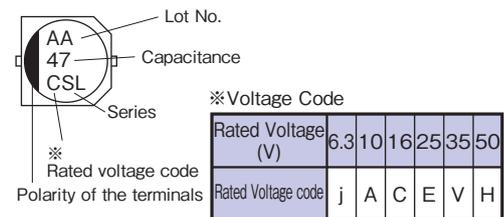
◆SPECIFICATIONS

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=Leakage Current(μA)    C=Capacitance(μF) V=Rated Voltage(V)																								
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(20°C, 120Hz)</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> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	(20°C, 120Hz)	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 5000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance 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>	Capacitance 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 (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(120Hz)</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> <td></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> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	(120Hz)	Z(-25°C)/Z(20°C)	4	3	2	2	2	2		Z(-40°C)/Z(20°C)	14	12	8	6	4	3	
Rated Voltage (V)	6.3	10	16	25	35	50	(120Hz)																		
Z(-25°C)/Z(20°C)	4	3	2	2	2	2																			
Z(-40°C)/Z(20°C)	14	12	8	6	4	3																			

◆DIMENSIONS (mm)



◆MARKING



◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)	60 (50)	120	500	1k	10k≤
0.47~1μF	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
100μF	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	WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current	WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current	
6.3 (0J)	22	4×6.1	22	25(1E)	33	6.3×6.1	50	50 (1H)	0.47	4×6.1	4	
	47	5×6.1	38		35 (1V)	4.7	4×6.1		16	1	4×6.1	8
	10(1A)	100	6.3×6.1	69		10	5×6.1		27	2.2	4×6.1	11
16 (1C)		33	5×6.1	35		22	6.3×6.1		44	3.3	4×6.1	14
	10	4×6.1	18	50 (1H)		50 (1H)	4.7		5×6.1	19	4.7	5×6.1
	22	5×6.1	30		10		6.3×6.1		32	10	6.3×6.1	32
47	6.3×6.1	50										

◆PART NUMBER

