

SLV 系列 SERIES

对应无铅焊接105℃长寿命
105℃ Long Life, Lead Free Reflow Soldering.

◆特 长 / FEATURES

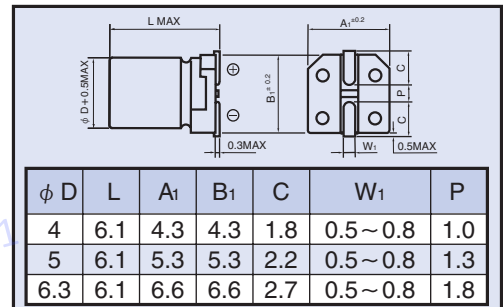
- 105℃、5000小时品。
Load Life : 105℃ 5000 hours.
- 可以进行无铅回流焊接。
Lead free reflow soldering is available.
- 适用于高密度贴片安装。
Available for high density mounting.
- RoHS指令对应品。
RoHS compliance.



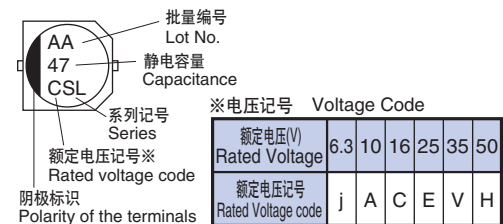
◆规格表 / SPECIFICATIONS

项目 Items	特 性 Characteristics																								
工作温度范围 Category Temperature Range	-40 ~ +105℃																								
额定电压范围 Rated Voltage Range	6.3 ~ 50V.DC																								
静电容量允许差 Capacitance Tolerance	±20% (20℃, 120Hz)																								
漏 电 流 Leakage Current(MAX)	<p>小于I=0.01CV和3μA中的较大值 (施加额定电压2分钟后)</p> <p>I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage)</p> <p>I=漏电流 (μA) C=静电容量 (μF) V=额定电压 (V) Leakage Current Capacitance Rated Voltage</p>																								
损失角正切值 (tan δ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>额定电压 (V) Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(20℃, 120Hz)</td> </tr> <tr> <td>tan δ</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>	额定电压 (V) Rated Voltage	6.3	10	16	25	35	50	(20℃, 120Hz)	tan δ	0.30	0.24	0.20	0.16	0.14	0.14									
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耐 久 性 Endurance	<p>在105℃环境中，不超过额定电压的范围内叠加额定纹波电流，连续加载5000小时后，满足以下各项要求。</p> <p>After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±30%以内 Within ±30% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的300%以下 Not more than 300% of the specified value.</td> </tr> <tr> <td>漏 电 流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table>	静电容量变化率 Capacitance Change	初期值的±30%以内 Within ±30% of the initial value.	损失角正切值 Dissipation Factor	规格值的300%以下 Not more than 300% of the specified value.	漏 电 流 Leakage Current	规格值以下 Not more than the specified value.																		
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低温特性 Low Temperature Stability (阻抗比) Impedance Ratio(MAX)	<table border="1"> <tr> <td>额定电压 (V) Rated Voltage</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℃)/Z(20℃)</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℃)/Z(20℃)</td> <td>14</td> <td>12</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td></td> </tr> </table>	额定电压 (V) Rated Voltage	6.3	10	16	25	35	50	(120Hz)	Z(-25℃)/Z(20℃)	4	3	2	2	2	2		Z(-40℃)/Z(20℃)	14	12	8	6	4	3	
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◆尺寸图 / DIMENSIONS (mm)



◆标 识 / MARKING



◆纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率 (Hz) Frequency	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

◆标准品一览表 / STANDARD SIZE

Size φ D × L (mm), Ripple Current (mA r.m.s./105℃, 120Hz)

WV (V.DC)	Cap (μF)	Size (φ DxL)	Rated Ripple Current
6.3 (0J)	22	4×6.1	22
	47	5×6.1	38
	100	6.3×6.1	69
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
25(1E)	33	6.3×6.1	50
35 (1V)	4.7	4×6.1	16
	10	5×6.1	27
	22	6.3×6.1	44
	47	6.3×6.1	50
50 (1H)	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

◆产品型号体系 / PART NUMBER

□□□	SLV	□□□□□	M	□□□	D×L
额定电压 Rated Voltage	系列名称 Series	静电容量 Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	铝壳尺寸 Case Size