

SS 5mmL, Standard 5mm 标准品

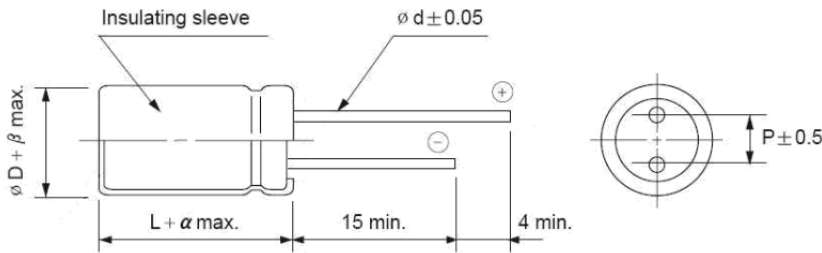
- 5mm High, 105°C, 1000 hours assured.
5mm, 105°C, 1000 小时品
- Standard micro miniature size.
超小型标准品
- Suitable for pocket electronic equipments, such as: VTR, Camera, Car audio,
Mini-audio, pocket recorder etc.
适用于小型设备, 如录像机、相机, 汽车音响、迷你音响、录音机等



Specifications 特性表

Items 项目	Characteristics 主要特性																								
Rated Voltage Range 额定工作电压范围	4~50V _{dc}																								
Category Temperature Range 使用温度范围	-40 ~ +105°C																								
Capacitance Tolerance 静电容量允许偏差	±20% (M), at 20°C, 120Hz																								
Leakage Current 漏电流, 20°C 环境下施加工作电压 2 分钟后. (at 20°C, After 2 minutes)	I ≤ 0.01CV or 3uA, whichever is greater 漏电流 ≤ 0.01CV or 3uA, 取较大值 Where, I : Max. leakage current (漏电流, uA), C : Nominal capacitance (静电容量, uF), V : Rated voltage (额定电压 V)																								
Dissipation Factor (Tanδ, at 20°C, 120Hz) 损耗角正切值 (测试条件为 20°C, 120Hz)	<table border="1"> <tr> <td>Rated voltage (V) 额定工作电压</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>Tanδ (Max.) 最大损耗角正切</td> <td>0.35</td> <td>0.27</td> <td>0.23</td> <td>0.19</td> <td>0.15</td> <td>0.13</td> <td>0.11</td> </tr> </table> <p>When nominal capacitance exceeds 1,000µF, add 0.02 to the value above for each 1,000µF increase. 静电容量大于 1000uF, 每增加 1000uF, 损耗角正切增加 0.02</p>	Rated voltage (V) 额定工作电压	4	6.3	10	16	25	35	50	Tanδ (Max.) 最大损耗角正切	0.35	0.27	0.23	0.19	0.15	0.13	0.11								
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Low Temperature Characteristics (Max. Impedance Ratio, 120Hz) 低温特性最大阻抗比	<table border="1"> <tr> <td>Rated voltage (V) 额定工作电压</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°C)/Z(20°C)</td> <td>7</td> <td>6</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>12</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	Rated voltage (V) 额定工作电压	4	6.3	10	16	25	35	50	Z(-25°C)/Z(20°C)	7	6	4	3	2	2	2	Z(-40°C)/Z(20°C)	15	12	8	6	4	4	4
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Z(-40°C)/Z(20°C)	15	12	8	6	4	4	4																		
Endurance 耐久性	<p>The following specification shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the ripple current is applied for the specified period of time at 105°C. 在 105°C 环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载规定时间的额定电压后, 待温度恢复到 20°C 进行测量时, 应满足以下要求。</p> <table border="1"> <tr> <td>Test Time 测试时间</td> <td>1,000Hrs</td> </tr> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20%(4~6.3v: ±30%) initial value 初始值的±20%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切</td> <td>≤200% of specified value 不大于规范值的 200%</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>≤The initial specified value 不大于规范值</td> </tr> </table>	Test Time 测试时间	1,000Hrs	Capacitance Change 静电容量变化率	Within ±20%(4~6.3v: ±30%) initial value 初始值的±20%以内	Dissipation Factor 损耗角正切	≤200% of specified value 不大于规范值的 200%	Leakage Current 漏电流	≤The initial specified value 不大于规范值																
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Shelf Life 高温贮存	<p>The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of IEC 60384-4. 在 105°C 环境中, 无负荷放置 1,000 小时后待温度恢复到 20°C, 进行试验前处理(IEC 60384-4 4.1 项)后进行测量时, 应满足以下要求。</p> <table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20% initial value 初始值的±20%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切值</td> <td>≤200% of specified value 不大于规范值的 200%</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>≤The initial specified value 不大于规范值</td> </tr> </table>	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内	Dissipation Factor 损耗角正切值	≤200% of specified value 不大于规范值的 200%	Leakage Current 漏电流	≤The initial specified value 不大于规范值																		
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Drawing(Unit: mm) 外形图



ΦD	4	5	6.3	8
P	1.5	2	2.5	3.5
Φd	0.45			0.5
α	1.0			
β	0.5			

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, Please contact us immediately for technical assistance before purchase.

注: 以上所提供的设计及特性参数仅供参考, 任何修改不作预先通知, 如有使用上任何疑问, 请在采购前与我们联系, 以便提供技术上的协助。

SS Series

■ Standard ratings 标准品一览表

WV μF	4		6.3		10		16		25		35		50	
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.
0.1													4x5	1
0.22													4x5	2
0.33													4x5	2.8
0.47													4x5	4
0.68													4x5	5
1													4x5	7
1.5													4x5	8
2.2											4x5	8.7	4x5	10
3.3									4x5	11	4x5	12	4x5	13
4.7							4x5	13	4x5	15	4x5	17	4x5	18
													5x5	20
6.8					4x5	11	4x5	15	4x5	18	4x5	19	5x5	22
													6.3x5	25
10					4x5	14	4x5	23	4x5	24	4x5	25	6.3x5	31
											5x5	27		
22			4x5	21	4x5	23	4x5	27	5x5	39	6.3x5	46	6.3x5	46
			5x5	30	5x5	27	5x5	30					8x5	48
33	4x5	27	4x5	24	5x5	34	5x5	40	6.3x5	52	6.3x5	52	8x5	50
			5x5	30										
47	4x5	34	5x5	36	5x5	38	6.3x5	48	6.3x5	58	8x5	55		
					6.3x5	43								
68	5x5	50	6.3x5	50	6.3x5	53	6.3x5	51	8x5	62	8x5	61		
							8x5	55						
100	5x5	50	6.3x5	56	6.3x5	70	8x5	68						
220	6.3x5	74	8x5	62	8x5	74								
330	8x5	80												

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz. 尺寸 ΦD x L(mm), 纹波电流於 105°C, 120Hz

Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内