

SL 标准品

- 7mm 高，微型体积。Be 7mm in height and mini-size
- 为 VTRs、汽车音响、汽车立体声、微型收录机、微型计算器等设计。

Designed for use in VTRs, car radios, car stereos, micro-cassette tape recorders, pocket calculators and watches.

- ROHS 指令已对应完毕。

Adapted to the ROHS directive.

主要技术性能 Specifications

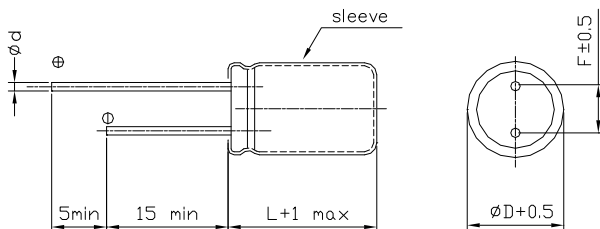
项目 Item	特性 Performance Characteristics																					
使用温度范围 Operating temperature range	-40 ~ +85℃																					
额定电压范围 Rated voltage range	6.3 ~ 50 V																					
标称电容量范围 Nominal capacitance range	0.1 ~ 470μF																					
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)																					
漏电流 Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ 2分钟(at 20℃, after 2 minutes) 取较大者 (whichever is greater)																					
损耗角正切值 ($\text{tg } \delta$) Dissipation factor (+20℃, 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>$\text{tg } \delta$</td> <td>0.22</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	U_R (V)	6.3	10	16	25	35	50	$\text{tg } \delta$	0.22	0.20	0.16	0.14	0.12	0.10							
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温度特性 Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z-25℃ / +20℃</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40℃ / +20℃</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	U_R (V)	6.3	10	16	25	35	50	Z-25℃ / +20℃	4	3	2	2	2	2	Z-40℃ / +20℃	8	6	4	4	3	3
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耐久性 Load life	<p>+85℃加额定电压 2000 小时，恢复 16 小时后： After applying rated voltage for 2000 hours at +85℃ and then resumed for 16 hours:</p> <p>电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤初始规定值 ≤the initial specified value 损耗角正切值 Dissipation factor : ≤2 倍初始规定值 ≤2times of the initial specified value</p>																					
高温贮存 Shelf life	<p>+85℃, 1000 小时贮存后，恢复 16 小时后： After storage for 1000 hours at +85℃ and then resumed for 16 hours</p> <p>电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤2 倍初始规定值 ≤2times of the initial specified value 损耗角正切值 Dissipation factor : ≤2 倍初始规定值 ≤2times of the initial specified value</p>																					

频率修正系数 Frequency coefficient

F(Hz) \ CAP(μF)	60	120	1K	≥10k
0.1~68	0.8	1	1.3	1.5
100~470	0.8	1	1.15	1.2

外形图及尺寸表 Case size table

单位Unit: mm



D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	

尺寸 DIMENSIONS

CAP(μF) \ WV		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1											4x7	1.0
0.22	R22											4x7	2.3
0.33	R33											4x7	3.5
0.47	R47											4x7	5.0
1	010											4x7	10
2.2	2R2											4x7	19
3.3	3R3											4x7	24
4.7	4R7									4x7	24	4x7	28
10	100					4x7	28	4x7	28	4x7	31	5x7	38
22	220	4x7	34	4x7	35	4x7	39	5x7	48	5x7	52	6.3x7	58
33	330	4x7	40	4x7	43	4x7	45	5x7	58	6.3x7	80	8x7	75
						5x7	59					8x9	85
47	470	4x7	48	4x7	45	5x7	65	6.3x7	71	8x7	85	8x9	101
				5x7	49					8x9	96		
100	101	5x7	78	5x7	74	6.3x7	98	8x7	115	8x7	110		
				6.3x7	87	8x7	125	8x9	130	8x9	141		
220	221	6.3x7	120	6.3x7	138	8x7	140						
				8x7	145	8x9	186						
330	331	8x7	180	8x7	201								
		8x9	204										
470	471	8x7	215										
		8x9	243										

Size $\phi D \times L$ (mm)

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz