

# LM

## 特点 Features

- 保证85°C 1000小时。Endurance : 1000h at 85°C.
- 额定电压范围：6.3~63V。Rated Voltage Range: 6.3~63V.
- 低高度（5mm L）良好的低漏电特性。 Low Profile(5mm L) extremely low leakage current.
- 适用于高保真前置放大及电视振荡回路。  
Used in HI-FI pre-amplifiers and TV oscillation loop circuits.
- 满足RoHS。RoHS Compliant.



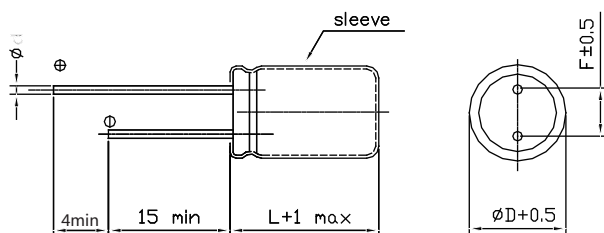
## 主要技术性能 Specifications

项目 Item	特性 Performance Characteristics																									
类别温度范围 Category Temperature Range	-40~+85°C																									
额定电压范围 Rated Voltage Range (U <sub>R</sub> )	6.3~ 63V																									
标称电容量范围 Rated Capacitance Range(C <sub>R</sub> )	0.1~100μF	120Hz, +20°C																								
标称电容量允许偏差 Rated Capacitance Tolerance(C <sub>r</sub> )	±20%(M)	120Hz, +20°C																								
漏电流 Leakage Current(I <sub>L</sub> )	≤0.002C <sub>R</sub> U <sub>R</sub> 或者0.4μA 取较大值 ( Whichever is greater )																									
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U<sub>R</sub> (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Tanδ</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	U <sub>R</sub> (V)	6.3	10	16	25	35	50	63	Tanδ	0.26	0.22	0.18	0.16	0.14	0.12	0.10	Max. 120Hz, +20°C								
U <sub>R</sub> (V)	6.3	10	16	25	35	50	63																			
Tanδ	0.26	0.22	0.18	0.16	0.14	0.12	0.10																			
低温特性 Characteristics at low temperature	<table border="1"> <tr> <td>U<sub>R</sub> (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z<sub>-25°C</sub> / Z<sub>+20°C</sub></td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z<sub>-40°C</sub> / Z<sub>+20°C</sub></td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	U <sub>R</sub> (V)	6.3	10	16	25	35	50	63	Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	4	3	2	2	2	2	2	Z <sub>-40°C</sub> / Z <sub>+20°C</sub>	10	8	6	4	3	3	3	Max. 120Hz
U <sub>R</sub> (V)	6.3	10	16	25	35	50	63																			
Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	4	3	2	2	2	2	2																			
Z <sub>-40°C</sub> / Z <sub>+20°C</sub>	10	8	6	4	3	3	3																			
耐久性 Load life	+85°C, 不超过额定电压的范围内叠加额定纹波电流, 连续加载额定电压1000小时, 恢复16小时后: Overlay the rated ripple current within the range of rated voltage and continuously load the rated voltage for 1000 hours +85 °C ; and recover for 16 hours: 电容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than specified value																									
高温贮存 Shelf life	+85°C, 1000小时贮存后, 加额定工作电压处理30分钟, 恢复16小时后: After storage for 1000 hours at +85°C ,UR to be applied for 30 minutes and then resumed 16 hours: 电容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤初始规定值 Initial specified value																									

## 频率修正系数 Frequency Coefficient

Frequency (Hz)	Kf			
	60	120	1K	≥10k
0.1 ~ 22	0.8	1	1.5	1.7
33 ~ 100	0.8	1	1.25	1.35

## 尺寸图 Dimension drawings



单位 Unit: mm

D	4	5	6.3
F	1.5	2.0	2.5
d	0.45		

规格特性表  
Table of specifications and characteristics

C <sub>R</sub> (μF)	6.3		10		16		25		35		50		63	
	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 85°C mA
0.1													4×5	0.7
0.22													4×5	1.3
0.33													4×5	1.9
0.47													4×5	2.7
1													4×5	5.5
2.2											4×5	8	4×5	9
3.3											4×5	10	5×5	11
4.7									4×5	11	4×5	12	5×5	13
10					4×5	14	4×5	15	5×5	18	5×5	20	6.3×5	22
22			4×5	19	5×5	22	5×5	25	6.3×5	28	6.3×5	31		
33	5×5	19	5×5	25	5×5	27	6.3×5	30	6.3×5	34				
47	5×5	22	5×5	30	6.3×5	34	6.3×5	38						
100	6.3×5	37	6.3×5	46										

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW