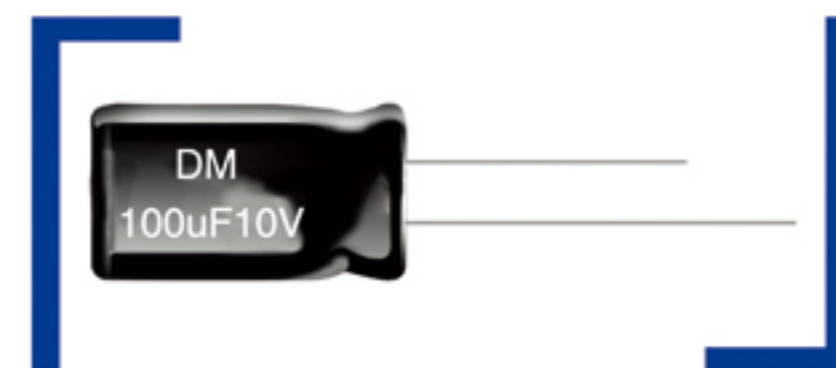


DM 低漏电标准品



- ◎ 极低漏电特性。
Extremely low leakage current.
- ◎ 适用于电视机频道转换或小信号输入回路。
Used in TVs frequency channel conversion or weak signal import loop circuits.
- ◎ ROHS指令已对应完毕。Adapted to the ROHS directive.

■ 主要技术性能 Specifications

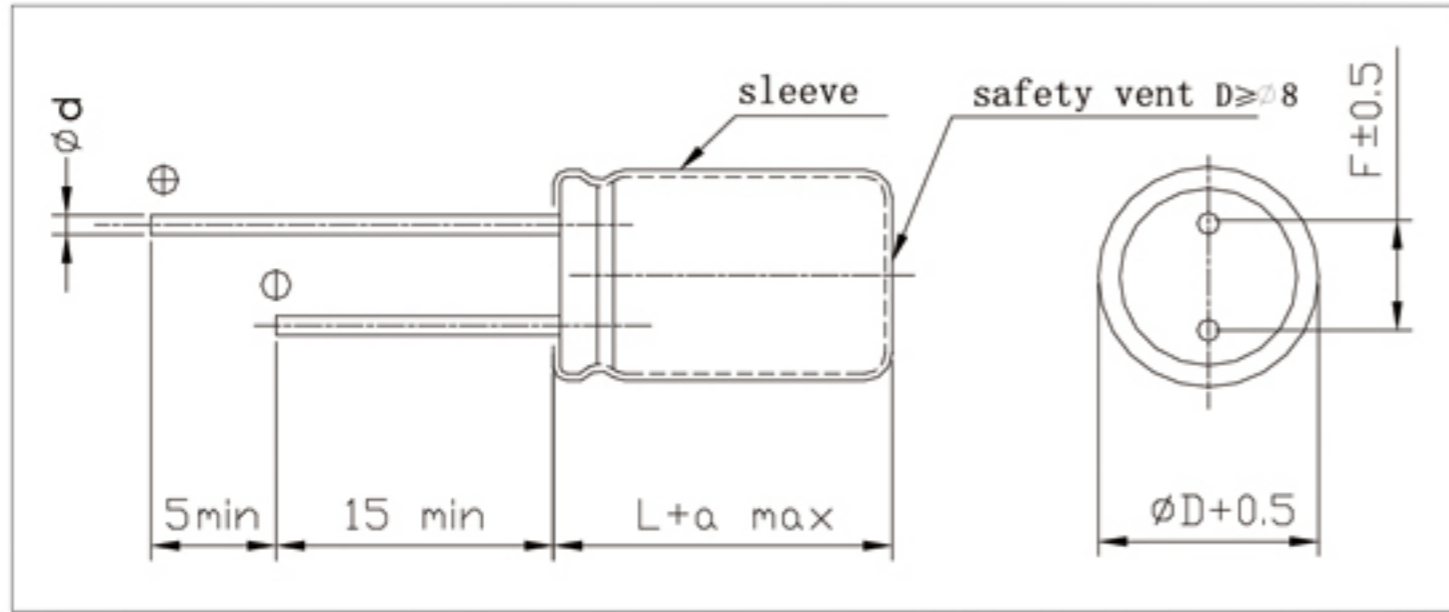
项目 Item	特性 Performance Characteristics																											
使用温度范围 Operating temperature range	-40 ~ +85℃																											
额定电压范围 Rated voltage range	6.3 ~ 100 V																											
标称电容量范围 Nominal capacitance range	0.1~ 2200 μ F																											
标称电容量允许偏差 Capacitance tolerance	±20% (120Hz, +20℃)																											
漏电流 Leakage current	$I \leq 0.002CV$ 或 $0.4(\mu A)$ 2分钟(at 20℃, after 2 minutes) 取较大者 (whichever is greater)																											
损耗角正切值 (tg δ) 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> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table> <p>容量大于1000 μ F者, 每增加1000 μ F, 其损耗角正切值增加0.02 When nominal capacitance exceeds 1000 μ F, add 0.02 to the value above for each 1000 μ F increase.</p>	U _R (V)	6.3	10	16	25	35	50	63	100	tg δ	0.28	0.24	0.20	0.16	0.14	0.12	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> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z-25℃ / +20℃</td> <td>4</td> <td>3</td> <td>2</td> <td>1.5</td> <td>1.5</td> <td>1.5</td> <td>1.5</td> <td>1.5</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> <td>3</td> <td>3</td> </tr> </tbody> </table>	U _R (V)	6.3	10	16	25	35	50	63	100	Z-25℃ / +20℃	4	3	2	1.5	1.5	1.5	1.5	1.5	Z-40℃ / +20℃	8	6	4	4	3	3	3	3
U _R (V)	6.3	10	16	25	35	50	63	100																				
Z-25℃ / +20℃	4	3	2	1.5	1.5	1.5	1.5	1.5																				
Z-40℃ / +20℃	8	6	4	4	3	3	3	3																				
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 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 Initial measured value 漏 电 流 Leakage current : ≤初始规定值 Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 2times Initial specified value</p>																											
高温贮存 Shelf life	<p>+85℃, 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℃, U_R to be applied for 30 minutes and then resumed 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 Initial measured value 漏 电 流 Leakage current : ≤初始规定值 Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 2times Initial specified value</p>																											

■ 频率修正系数 Frequency coefficient

F(Hz)	60	120	1K	≥10k
CAP(μF)				
0.1 ~ 22	0.8	1	1.5	1.7
33 ~ 100	0.8	1	1.4	1.5
220 ~ 2200	0.8	1	1.3	1.35

■ 外形图及尺寸表 Case size table

单位Unit: mm



D	5	6.3	8	10	12.5	16
F	2.0	2.5	3.5	5.0		7.5
d	0.5		0.5, 0.6	0.6		0.8

α MAX	(L < 20) 1.5
	(L ≥ 20) 2.0

■ 尺寸 Dimensions

CAP(μF) \ WV		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7	4R7							5x11	38
6.8	6R8					5x11	36	5x11	47
10	100					5x11	43	5x11	52
15	150					5x11	48	5x11	58
22	220			5x11	52	5x11	62	5x11	68
33	330			5x11	68	5x11	70	5x11	78
47	470			5x11	76	5x11	105	6.3x11	120
100	101	5x11	75	5x11	105	6.3x11	140	8x11.5	150
220	221	6.3x11	135	8x11.5	195	8x11.5	225	10x12.5	255
330	331	6.3x11	165	8x11.5	260	8x11.5	270	10x12.5	355
470	471	8x11.5	260	8x11.5	320	10x12.5	410	10x20	520
1000	102	10x12.5	390	10x20	680	12.5x20	760	12.5x25	1020
2200	222	12.5x20	670	12.5x20	860	16x25	1200		

CAP(μF) \ WV		35V(1V)		50V(1H)		63V(1J)		100V(2A)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1			5x11	8	5x11	8		
0.22	R22			5x11	9	5x11	9		
0.47	R47			5x11	10	5x11	10		
1.0	010			5x11	17	5x11	17		
2.2	2R2			5x11	26	5x11	26	6.3x11	30
3.3	3R3			5x11	30	5x11	32	6.3x11	36
4.7	4R7	5x11	34	5x11	36	5x11	40	6.3x11	45
6.8	6R8	5x11	41	5x11	43	5x11	45	6.3x11	58
10	100	5x11	48	5x11	52	6.3x11	58	8x11.5	65
22	220	6.3x11	72	6.3x11	78	6.3x11	95	8x11.5	105
33	330	6.3x11	83	6.3x11	100	8x11.5	110	10x12.5	125
47	470	6.3x11	125	8x11.5	140	8x11.5	152	10x12.5	160
68	680	6.3x11	140	8x11.5	145	10x12.5	160	10x16	180
100	101	8x11.5	185	10x12.5	220	10x16	260	12.5x2	380
220	221	10x12.5	330	10x20	380	12.5x20	440		
330	331	10x16	440	10x20	460	12.5x25	600		
470	471	12.5x20	590	12.5x25	710				
680	681	12.5x20	620						

Size φD×L(mm)

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