

## KM耐高温品 (CD268/CD81型)

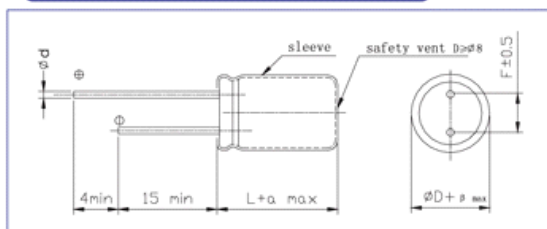
- 宽温度产品, 105℃, 1000~2000 小时寿命, 体积小, 容量大  
Wide temperature range, 105℃, Load life: 1000~2000 hours, small size, large capacity
- 适用于 DVD、背投彩电、空调等线路中。  
Used in DVD, color-TV, air conditioning circuits etc.
- ROHS 指令已对应完毕。  
Adapted to the ROHS directive.



### 主要技术性能 Specifications

项目 Item	特性 Performance Characteristics																									
使用温度范围 Operating temperature range	-40 ~ +105℃	-25 ~ +105℃																								
额定电压范围 Rated voltage range	6.3 ~ 100V	160 ~ 450V																								
标称电容量范围 Nominal capacitance range	0.1~10000μF	0.47~220μF																								
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)																									
漏电流 Leakage current	$I \leq 0.01CV$ 或 $3(\mu A)$ 2分钟 取较大者 (at 20℃, after 2 minutes) (whichever is greater)	$I \leq 0.02CV + 15 (\mu A)$ 1分钟 (1 minute)																								
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	<table border="1"> <thead> <tr> <th><math>U_R</math> (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> <th>160~450</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.20</td> </tr> </tbody> </table>		$U_R$ (V)	6.3	10	16	25	35	50	63	100	160~450	tg δ	0.25	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.20				
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温度特性 Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th><math>U_R</math> (V)</th> <th>6.3</th> <th>10</th> <th>16~50</th> <th>63~100</th> <th>160~250</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z-25℃ / +20℃</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>≤6</td> <td>≤4</td> <td>≤4</td> </tr> <tr> <td>Z-40℃ / +20℃</td> <td>≤8</td> <td>≤6</td> <td>≤4</td> <td>≤3</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		$U_R$ (V)	6.3	10	16~50	63~100	160~250	400	450	Z-25℃ / +20℃	-	-	-	-	≤6	≤4	≤4	Z-40℃ / +20℃	≤8	≤6	≤4	≤3	-	-	-
$U_R$ (V)	6.3	10	16~50	63~100	160~250	400	450																			
Z-25℃ / +20℃	-	-	-	-	≤6	≤4	≤4																			
Z-40℃ / +20℃	≤8	≤6	≤4	≤3	-	-	-																			
耐久性 Load life	+105℃加额定电压 1000 小时 (≥Φ12.5, 2000 小时), 恢复 16 小时后: After applying rated voltage for 1000 hours (≥Φ12.5 2000 hours) at +105℃ and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% 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																									
高温贮存 Shelf life	+105℃, 1000 小时贮存后, 恢复 16 小时后: After storage for 1000 hours at +105℃ and then resumed 16 hours 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% 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																									

### 外形图及尺寸表 Case size



D	5	6.3	8	10~12.5	16~18	22
F	2.0	2.5	3.5	5.0	7.5	10
d	0.5		0.5、0.6	0.6	0.8	

α MAX	( L < 20 ) 1.5
	( L ≥ 20 ) 2.0

β MAX	( D < 20 ) 0.5
	( D ≥ 20 ) 1.0

### 频率的修正系数 Frequency coefficient

电压(WV) \ 频率(Hz)	60	120	1K	≥10K
6.3~25	0.85	1.00	1.10	1.20
35~100	0.80	1.00	1.15	1.25
160~250	0.75	1.00	1.25	1.40
350~450	0.70	1.00	1.30	1.80

### 环境温度的修正系数 Temperature coefficient

环境温度(℃) Temperature	65	85	105
Factor	1.75	1.40	1.00

尺寸 DIMENSIONS

OD x L(mm)

容量C <sub>n</sub> (μF)	电压 U <sub>c</sub> 代码 CODE	6.3V		10V		16V		25V		35V		50V		63V	
		0J		1A		1C		1E		1V		1H		1J	
0.1	0R1											5x11	3		
0.22	R22											5x11	4		
0.33	R33											5x11	5		
0.47	R47											5x11	6		
1	010											5x11	9		
2.2	2R2											5x11	11		
3.3	3R3											5x11	15		
4.7	4R7							5x11	20			5x11	18	5x11	20
10	100					5x11	20	5x11	25	5x11	25	5x11	25	5x11	30
22	220					5x11	30	5x11	35	5x11	35	5x11	40	6.3x11 8x11.5	50
33	330					5x11	40	5x11	40	5x11	50	6.3x11 8x11.5	60	8x11.5	60
47	470			5x11	45	5x11	50	5x11	50	6.3x11 8x11.5	65	6x11 8x11.5	70	8x11.5	90
100	101	5x11	60	5x11	80	6.3x11 8x11.5	80	6.3x11 8x11.5	90	8x11.5	110	8x11.5	120	10x12.5	150
220	221	6.3x11 8x11.5	100	6.3x11 8x11.5	110	6.3x11 8x11.5	95 140	8x11.5	150	10x12.5	190	10x16	240	10x20	270
330	331	8x11.5	120	8x11.5	160	8x11.5	180	10x12.5	220	10x16	260	10x20	320	12.5x20	380
470	471	8x11.5	170	6.3x11 8x11.5	120 190	8x11.5	210 250	10x12.5 10x16	250 290	10x20	350	12.5x20	430	12.5x25	500
680	681					10x12.5	280	10x16	380						
1000	102	10x12.5	300	8x11.5	360	10x20	440	12.5x20	540	12.5x25	620	16x25	790	16x31	900
2200	222	12.5x20	580	12.5x20	620	12.5x25	700	16x25	880	16x31	1030	18x35	1230	18x40	1310
3300	332	12.5x20	670	12.5x25	800	16x25	970	16x31	1120	18x35	1320	18x40	1400	22x40	1730
4700	472	16x25	1000	16x25	1050	16x31	1240	18x35	1440	18x40	1540	22x40	1780		
6800	682	16x25	1120	16x31	1300	18x35	1530	18x40	1630	22x40	1880				
10000	103	18x35	1320	18x35	1620	18x40	1730	22x40	2000						

容量C <sub>n</sub> (μF)	电压 U <sub>c</sub> 代码 CODE	100V		160V		200		250V		400V		450V	
		2A		2C		2D		2E		2G		2H	
0.1	0R1	5x11	3										
0.22	R22	5x11	4										
0.33	R33	5x11	5										
0.47	R47	5x11	6	5x11	8	8x11.5	6	8x11	6				
1	010	5x11	9	6.3x11	14	8x11.5	9	8x11	9	10x16	15		
2.2	2R2	5x11	15	8x11.5	15	8x11.5	15	8x12	15	10x16	20	8x11.5 10x16	25 29
3.3	3R3	5x11	18	8x11.5	20	8x11.5	20	10x13	20	8x11.5 10x16 10x20	38 25	10x20	35
4.7	4R7	5x11	20	8x11.5	25	10x12.5	30	10x13	30	8x11.5 12.5x20	42	12.5x20	50
6.8	6R8									10x12.5	50		
10	100	6.3x11 8x11.5	35	10x12.5	40	10x16	45	10x20	45	10x16 10x20 12.5x20	63 70	12.5x25	75
22	220	8x11.5	65	10x20	70	10x20	70	12.5x25	80	12.5x20	120	12.5x20 16x31	110
33	330	10x12.5	95	12.5x20	110	12.5x25	110	12.5x25	100	18x25	180	18x25	150
47	470	10x16	120	12.5x25	140	12.5x25	140	16x25	140	18x30	240	18x25	230
68												18x25	350
82												18x30	440
100	101	12.5x20	220	16x25	250	16x31	250	18x35	260	18x35	460		
220	221	16x25	420	18x35	430								
330	331	16x31	510										
470	471	18x31	680										
1000	102	18x40	1200										

额定纹波电流 Rated ripple current(mA,+105℃,120Hz)