



sunion

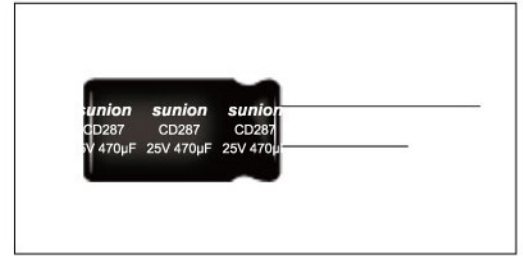
CD 287 Series

105°C 2000-5000小时

- 低阻抗
- 高纹波
- 适用于开关电源等

2000-5000h at 105°C

- Low Impedance
- High Ripple Current
- SMPS,UPS



项目 Item	特性 Characteristics																																											
使用温度范围(°C) Operating Temperature Range	-55~+105	-40~+105																																										
额定电压范围(V) Voltage Range	6.3~100	160~450																																										
标称电容量范围(µF) Capacitance Range	0.47~15000	1.0~220																																										
标称电容量允许偏差) Capacitance Tolerance(20°C,120Hz)	± 20%	± 20%																																										
漏电流(µA) Leakage Current	6.3~100V I ≤ 0.02CV 或 3, 取较大者 (2分钟) I ≤ 0.02CV or 3 whichever is greater (at 20°C, after 2 minutes)	160~450V I ≤ 0.03CV+40, 取较大者 (1分钟) I ≤ 0.03CV+40 whichever is greater (at 20°C, after 1 minutes)																																										
	C: 标称电容量 (µF) V: 额定电压 (V) C: Nominal Capacitance (µF) V: Rated Voltage (V)																																											
损耗角正切值 (tg δ) Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th>额定电压 Rated Voltage (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</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>损耗角正切值 Tan δ(max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td colspan="3">0.15</td> <td colspan="3">0.20</td> </tr> </tbody> </table>														额定电压 Rated Voltage (V)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	损耗角正切值 Tan δ(max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15			0.20		
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标称电容量大于1000µF者, 每增加1000µF, 其损耗角正切值增加0.02 When nominal capacitance is over 1000µF tan δ shall be added 0.02 to the listed value with increase of every 1000µF																																												
低温特性 Stability at Low Temperature (Impedance Ratio at 120Hz)	额定电压 Rated Voltage(V)		6.3~100							160	200	250	350	400	450																													
	Z _{-55°C} / Z _{+20°C}		3							-		-																																
	Z _{-40°C} / Z _{+20°C}		-							4		6																																

RADIAL

项目 Item	使用性 Useful Life		耐久性 Load Life	直流试验 Endurance Test	高温贮存 shelf Life
使用寿命 Lifetime	Φ ≤ 6 : 4000h Φ 8-10 : 6000h Φ ≥ 12 : 10000h	Φ ≥ 8 : >250000h	Φ ≤ 6 : 2000h Φ 8-10 : 3000h Φ ≥ 12 : 5000h	Φ ≤ 6 : 3000h Φ 8-10 : 5000h Φ ≥ 12 : 7000h	1000h
漏电流 Leakage Current	≤ 初始规定值 Not more than specified value		≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value
容量变化率 Capacitance Change	初始值 ± 30% 以内 Within ± 30% of initial Value		初始值 ± 20% 以内 Within ± 20% of initial Value	初始值 ± 20% 以内 Within ± 20% of initial Value	初始值 ± 20% 以内 Within ± 20% of initial Value
损耗变化率 Dissipation Factor	≤ 初始规定值的3倍 Not more than 300% of specified value		≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value
使用条件 Condition:					
使用电压 APPLIED Voltage	U _R	U _R	U _R	U _R	U _R =0
使用电流 Applied Current	I _R	1.4×I _R	I _R	I _R =0	I _R =0
使用温度 APPLIED Temperature	105°C	40°C	105°C	105°C	105°C
失效率 Failure Rate Level	≤ 1%	≤ 1%	guaranteed (保证)		试验后: 恢复24小时施加 额定电压30分钟后 After test: U _R to be applied for 30min >24h before measurement

CD 287 Series

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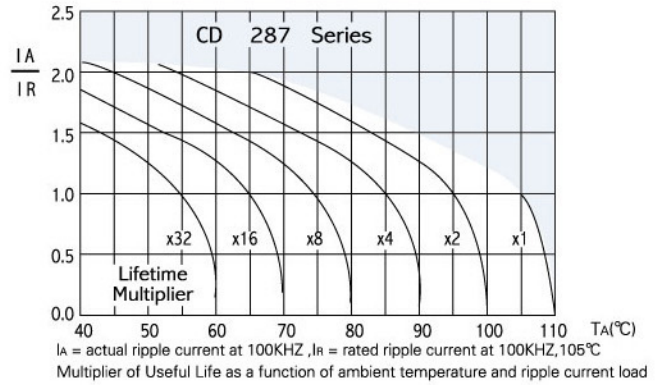


CD 287 系列

Ratings for CD 287 Series

U_R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C 120HZ	Max Imp 20°C 120HZ	Rated Ripple Current 105°C 120HZ	Size Φ DXL
(V)	(μ F)	(Ω)	(Ω)	(mA _{RMS})	(mm)
160 (220) 2C	10	19	7	95	10×16
	22	9	3.5	145	10×20
	33	6	2.2	190	12.5×25
	47	4	1.5	280	12.5×20
	47	4	1.5	280	16×20
	100	2	0.7	380	16×25
	100	2	0.7	380	18×20
200 (250) 2D	220	0.9	0.3	630	18×35.5
	4.7	41	14	95	10×12.5
	10	19	7	145	10×16
	22	9	3.5	190	10×20
	33	6	2.2	280	12.5×20
	47	4	1.5	280	12.5×25
	47	4	1.5	280	16×20
250 (300) 2E	100	2	0.7	410	16×31.5
	100	2	0.7	410	18×25
	4.7	41	14	60	10×12.5
	10	19	7	105	10×20
	22	9	3.5	180	12.5×25
	22	9	3.5	180	16×20
	33	6	2.2	250	12.5×25
350 (400) 2V	33	6	2.2	250	16×20
	47	4	1.5	300	16×25
	47	4	1.5	300	18×20
	100	2	0.7	410	16×31.5
	100	2	0.7	410	18×25
	3.3	72	28	50	10×12.5
	4.7	51	19	65	10×16
400 (500) 2G	10	24	10	120	12.5×20
	22	11	4	180	12.5×25
	22	11	4	180	16×20
	33	7	2.5	210	16×25
	47	5	1.8	300	16×35.5
	47	5	1.8	300	18×35.5
	2.2	109	40	40	10×12.5
450 (500) 2W	3.3	72	28	50	10×16
	4.7	51	19	70	10×20
	10	24	10	120	12.5×20
	22	11	4	200	16×25
	22	11	4	200	18×20
	33	7	2.5	245	16×31.5
	33	7	2.5	245	18×25
	47	5	1.8	300	18×31.5
	1.0	318	80	30	10×12.5
	2.2	145	40	45	10×16
	3.3	96	24	65	10×20
	4.7	68	17	80	12.5×25
	10	32	8	146	12.5×25
22	14	3.5	220	16×25	
33	10	2.5	280	16×25	
47	5.6	2.0	420	16×31.5	
68	3.9	1.4	520	16×35.5	
82	3.2	1.1	580	18×31.5	
100	2.6	0.9	750	18×36	
120	2.2	0.8	800	18×40	
150	1.7	0.6	860	22×41	
180	1.4	0.5	920	22×41	

寿命曲线 Lifetime Diagram



特性曲线 Typical Curves

