



## DY 系列

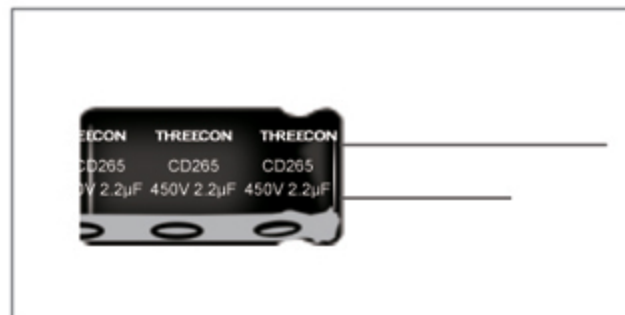
### Ratings for DY Series

105°C 5000小时

- 长寿命产品
- 适用高可靠性电源

5000h at 105°C

- Longing uesful Life
- High-reliability of power supplies



项目 Item	特性 Characteristics																								
工作温度范围(°C) Operating Temperature Range (°C)	-40~+105	-25~+105																							
额定电压范围(V) Rated Voltage Range(V)	160~250	350~500																							
容量范围(µF) Capacitance Range (µF)	1~220																								
容量偏差(20°C,120Hz) Capacitance Tolerance (20°C,120Hz)	± 20%																								
漏电流(µA) Leakage Current (µA)	I ≤ 0.03CV + 25 µA (20°C, 2分钟) I ≤ 0.03CV + 25 µA (at 20°C, after 2 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 Dissipation Factor (20°C,120Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td>Tan δ (Max)</td> <td colspan="2">0.12</td> <td colspan="2">0.15</td> <td colspan="3">0.20</td> </tr> </table>		Rated Voltage (V)	160	200	250	350	400	450	500	Tan δ (Max)	0.12		0.15		0.20									
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温度特性 Temperature Stability (120Hz)	<table border="1"> <tr> <td>额定电压 Rated Voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> </tr> <tr> <td rowspan="2">阻抗比 Impedance Ratio</td> <td>Z-25°C/Z-20°C</td> <td colspan="2">3</td> <td colspan="3">6</td> <td>8</td> </tr> <tr> <td>Z-40°C/Z-20°C</td> <td colspan="2">4</td> <td colspan="3">—</td> <td></td> </tr> </table>		额定电压 Rated Voltage (V)	160	200	250	350	400	450	500	阻抗比 Impedance Ratio	Z-25°C/Z-20°C	3		6			8	Z-40°C/Z-20°C	4		—			
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	Z-40°C/Z-20°C	4		—																					

项目 Item	使用寿命 Useful Life		负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	ΦD≤10: 8000h ΦD=12.5~22:10000h	≥90000h	ΦD≤10: 4000h ΦD=12.5~22:5000h	ΦD≤10: 4000h ΦD=12.5~22:5000h	1000h
漏电流 Leakage Current	不超过规定值 Not more than specified value		不超过规定值 Not more than specified value	不超过规定值 Not more than specified value	不超过规定值 Not more than specified value
容量变化 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
损耗角正切 Dissipation Factor	不超过规定值的3倍 Not more than 300% of specified value		不超过规定值的2倍 Not more than 200% of specified value	不超过初始规定值的2倍 Not more than 200% of specified value	不超过初始规定值的2倍 Not more than 200% of specified value
工作条件 Condition: 施加电压 APPLIED Voltage 施加电流 Applied Current 使用温度 APPLIED Temperature	U <sub>R</sub>  I <sub>R</sub>  105°C	U <sub>R</sub>  1.4×I <sub>R</sub>  60°C	U <sub>R</sub>  I <sub>R</sub>  105°C	U <sub>R</sub>  I <sub>R</sub> =0  105°C	U <sub>R</sub> =0  I <sub>R</sub> =0  105°C

试验后:  
施加额定电压30分钟  
后恢复24小时  
After test:  
U<sub>R</sub> to be applied  
for 30min  
>24h before  
measurement

CD 265 系列

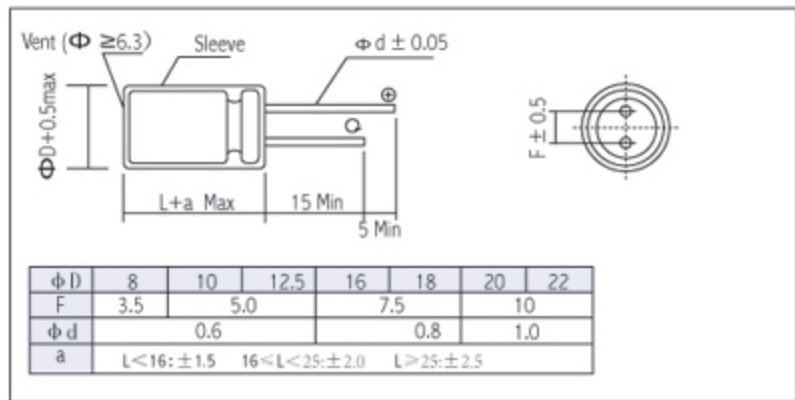
Ratings for CD 265 Series

U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C 120HZ	Rated Ripple Current 105°C 120HZ	Size Φ DXL
(V)	(μF)	(Ω)	(mA <sub>rms</sub> )	(mm)
160 (200) 2C	10	15.9	95	10×12
	22	7.2	145	10×16
	33	4.8	190	10×20
	47	3.4	280	12.5×20
	100	1.6	380	18×20
		1.6	380	16×25
	220	0.7	630	16×35
200 (250) 2D	4.7	33.9	56	8×12
	10	15.9	92	8×16
	22	7.2	145	10×20
	33	4.8	190	12.5×20
	47	3.4	280	12.5×25
		3.4	280	16×20
	100	1.6	410	16×25
250 (300) 2E	100	1.6	410	18×20
		1.6	410	18×25
	4.7	33.9	56	8×12
	10	15.9	105	10×16
	22	7.2	180	12.5×20
	33	4.8	250	12.5×25
		4.8	250	16×20
	47	3.4	300	16×25
		3.4	300	18×20
	100	1.6	410	16×30
350 (400) 2V	100	1.6	410	18×25
		1.6	410	18×25
	220	0.7	700	18×35
	4.7	33.9	56	8×12
	10	15.9	105	10×16
	22	7.2	180	12.5×20
	33	4.8	250	12.5×25
		4.8	250	16×20
	47	3.4	300	16×25
		3.4	300	18×20
400 (450) 2G	1	198.0	30	8×12
	2.2	90.5	40	10×12
	3.3	60.3	53	8×16
	4.7	42.3	70	10×16
	10	19.9	120	12.5×20
	22	9.0	200	12.5×25
		9.0	200	16×25
	33	6.0	245	18×20
		6.0	245	16×25
	47	4.2	380	18×25
		4.2	380	16×30
	68	2.9	500	18×25
	82	2.4	610	18×30
	100	2.0	700	18×35
	120	1.7	785	18×40
150	1.3	840	20×40	
450 (500) 2W	1	265.4	26	8×12
	2.2	120.6	43	8×16
	3.3	80.4	60	10×16
	4.7	56.5	72	10×16
	10	26.5	131	12.5×20
	22	12.1	220	16×25
	33	8.0	280	16×30
	47	5.6	420	16×30
	68	3.9	610	18×30
	82	3.2	680	18×30
		3.2	680	18×35
	100	2.7	800	18×35
	120	2.2	875	18×40
	150	1.8	935	20×40
	180	1.5	1100	20×40

U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C 120HZ	Rated Ripple Current 105°C 120HZ	Size Φ DXL
(V)	(μF)	(Ω)	(mA <sub>rms</sub> )	(mm)
500 (550) 2H	4.7	56.5	79	10×12
	10	26.5	131	12.5×20
	22	12.1	230	16×25
	33	8.0	295	16×30
	47	5.6	415	18×30
	68	3.9	620	18×35
	82	3.2	680	18×40
	100	2.7	736	18×40
		2.7	780	20×40
	120	2.2	900	22×45
	150	1.8	980	22×45

外形尺寸表 Dimensions

mm



频率系数 Frequency Coefficient

容量 Cap(μF)	频率 Frequency				
	50Hz	120Hz	1kHz	10kHz	≥50kHz
1.0~10	0.8	1.00	1.75	2.0	2.4
22~47	0.8	1.00	1.6	1.8	1.9
68~220	0.8	1.00	1.3	1.4	1.55

寿命曲线 Lifetime Diagram

