



## DX 系列

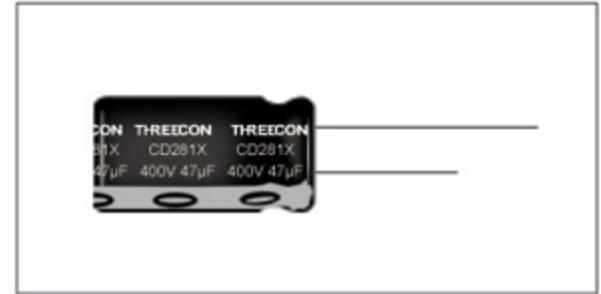
### Ratings for DX Series

#### 105°C 5000小时

- 适用于大功率LED球泡灯及室外路灯、矿灯等驱动电源及其他电子线路中
- RoHS 指令对应品

#### 5000h at 105°C

- For power supply circuit and other electronic circuit of high-power LED bulb, outdoor street lamp and miner's lamp, etc
- RoHS compliance



项目 Item	特性 Characteristics																
使用温度范围(°C) Operating Temperature Range	-40~+105°C																
额定电压范围(V) Voltage Range	160~500																
标称电容量范围(µF) Capacitance Range	10~470																
标称电容量允许偏差 Capacitance Tolerance(20°C, 120Hz)	±20%																
漏电流(µA) Leakage Current	$I \leq 0.03CV + 25 \mu A$ (20°C, 1分钟) $I \leq 0.03CV + 25 \mu A$ (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>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>损耗角正切值 Tan δ(max)</td> <td>0.15</td> <td>0.12</td> <td>0.12</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table>	额定电压 Rated Voltage (V)	160	200	250	350	400	450	500	损耗角正切值 Tan δ(max)	0.15	0.12	0.12	0.15	0.15	0.20	0.20
额定电压 Rated Voltage (V)	160	200	250	350	400	450	500										
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低温特性 Stability at low Temperature (Max Impadance Ratio at 120Hz)	<table border="1"> <thead> <tr> <th>额定电压 (V) Rated Voltage</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>7</td> <td colspan="2">5</td> <td colspan="4">7</td> </tr> </tbody> </table>	额定电压 (V) Rated Voltage	160	200	250	350	400	450	500	Z(-40°C)/Z(+20°C)	7	5		7			
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Z(-40°C)/Z(+20°C)	7	5		7													

项目 Item	负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	5000h	5000h	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
容量变化率 Capacitance Change	初始值 ± 30%以内 Within ± 30% of initial Value	初始值 ± 30%以内 Within ± 30% 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3倍 Not more than 300% 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 使用电流 Applied Current 使用温度 APPLIED Temperature	$U_R$  $I_R$  105°C	$U_R$  $I_R=0$  105°C	$U_R=0$  $I_R=0$  105°C  试验后: 施加额定电压30分 钟后恢复24小时 After test: $U_R$ to be applied for 30min >24h before measurement

CD281X 系列

Ratings for CD281X Series

U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120HZ	Size Φ DXL
(V)	(μF)	(mArms)	(mm)
160V (2C) (200V)	47	240	12.5×20
	68	370	12.5×25
	100	430	16×25
	150	500	16×25
	220	815	16×30
	270	890	18×30
	330	990	18×40
	470	1200	18×40
200V (2D) (250V)	47	252	12.5×20
	68	335	12.5×25
	100	450	16×25
	150	620	16×25
	220	670	18×30
	270	1050	18×40
250 (2E) (300V)	330	1300	18×50
	33	212	12.5×20
	47	322	12.5×25
	68	408	16×25
	100	525	16×30
	150	545	18×25
	220	708	18×35
	270	1100	18×40
350 (2V) (400V)	15	132	12.5×20
	22	184	12.5×20
	33	250	12.5×25
	47	306	16×25
	68	385	16×30
	100	490	18×30
	150	720	18×40
	220	1000	18×50

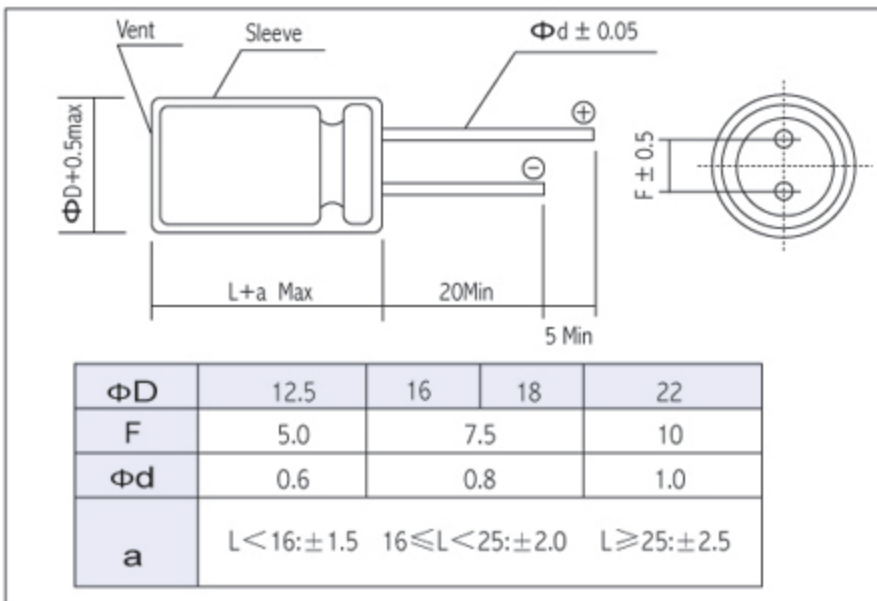
U <sub>R</sub> (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120HZ	Size Φ DXL	
(V)	(μF)	(mArms)	(mm)	
400 (2G) (450V)	10	115	12.5×20	
	15	135	12.5×20	
	22	205	12.5×25	
	33	260	16×20	
	47	340	16×25	
	68	410	16×35	
	82	420	18×40	
	100	498	18×35	
	120	530	18×40	
	150	720	18×50	
	180	1000	22×50	
	450 (2W) (500V)	10	145	12.5×20
15		165	16×20	
22		205	16×25	
33		325	16×25	
47		350	18×25	
68		450	18×30	
82		505	18×35	
100		562	18×40	
120		750	18×50	
500 (2H) (550V)		10	165	12.5×25
		15	190	16×25
		22	255	16×30
	33	355	16×30	
	47	385	18×30	
	68	490	18×35	
	82	535	18×40	
	100	605	18×50	

RADIAL

外形图尺寸表 Dimensions

mm

频率系数 Frequency Coefficient



容量 Cap(μF)	频率 Frequency			
	120Hz	1kHz	10kHz	100kHz
< 100	1	1.75	2.25	2.5
≥ 100	1	1.67	2.05	2.25