



DW 系列

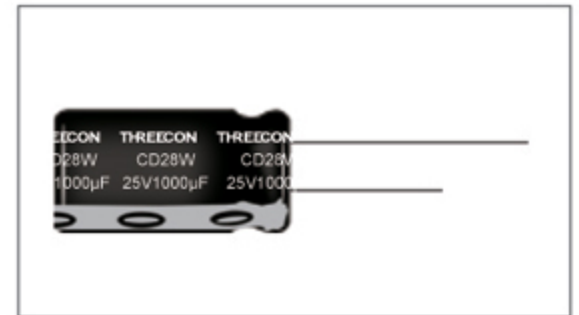
Ratings for DW Series

105°C 10000小时

- 适用于LED驱动电路
- 符合RoHS

10000h at 105°C

- For LED drives
- RoHS compliance



项目 Item	特性 Characteristics																							
工作温度范围(°C) Operating Temperature Range (°C)	-55~+105																							
额定电压范围(V) Rated Voltage Range(V)	6.3~120																							
容量范围(µF) Capacitance Range (µF)	1~15000																							
容量偏差(20°C, 120Hz) Capacitance Tolerance (20°C, 120Hz)	± 20%																							
漏电流(µA) Leakage Current (µA)	1 ≤ 0.01CV 或者 3 µA 中任意一个较大值 (20°C, 2分钟) (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(Tanδ) (20°C 120Hz)	<table border="1"> <tr> <td>额定电压 (V) Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> <td>120</td> </tr> <tr> <td>损耗角正切值 Tan δ (Max)</td> <td>0.24</td> <td>0.22</td> <td>0.18</td> <td colspan="7">0.15</td> </tr> </table> <p>但是, 超过1000 µF的每增加1000 µF则Tan δ 设定增加0.02。 For those with rated capacitance larger than 1000 µF, when the rated capacitance is increased by 1000 µF, then, Tan δ will be increased by 0.02.</p>		额定电压 (V) Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100	120	损耗角正切值 Tan δ (Max)	0.24	0.22	0.18	0.15						
额定电压 (V) Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100	120														
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低温特性 Stability at low Temperature (Max Impadance Ratio at 120Hz)	<table border="1"> <tr> <td>额定电压 (V) Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> <td>120</td> </tr> <tr> <td>Z(-55°C)/Z(+20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td colspan="4">3</td> <td colspan="3">5</td> </tr> </table>		额定电压 (V) Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100	120	Z(-55°C)/Z(+20°C)	8	6	4	3				5		
额定电压 (V) Rated Voltage (V)	6.3	10	16	25	35	50	63	80	100	120														
Z(-55°C)/Z(+20°C)	8	6	4	3				5																

项目 Item	负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	10000h	10000h	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 ± 30% 以内 Within ± 30% of initial Value
损耗变化率 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3倍 Not more than 300% of specified value	不超过初始规定值的3倍 Not more than 300% of specified value
工作条件 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

CD 28W 系列

Ratings for CD 28W Series

U _R (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 100KHZ	Size Φ DXL
(V)	(μF)	(mA _{rms})	(mm)
6.3 (0J)	100	150	5×11.5
	220	200	5×11.5
	330	300	6.3×11.5
	470	350	6.3×11.5
	1000	540	8×11.5
	2200	1000	10×16
	3300	1200	10×20
	4700	1600	12.5×25
	6800	1800	12.5×25
	10000	2200	16×25
	15000	2600	16×35
10 (1A)	100	150	5×11.5
	220	220	5×11.5
	330	350	6.3×11.5
	470	350	6.3×11.5
	1000	700	10×12.5
	2200	1000	10×20
	3300	1500	12.5×20
	4700	1800	12.5×25
	6800	2400	16×25
	10000	2800	16×30
	16 (1C)	47	200
100		250	5×11.5
220		350	6.3×11.5
330		350	6.3×11.5
470		550	8×11.5
1000		1000	10×16
1500		1200	10×20
2200		1600	12.5×20
3300		1800	12.5×25
4700		2400	16×25
6800		2800	16×30
25 (1E)	33	250	5×11.5
	47	250	5×11.5
	68	250	5×11.5
	100	250	6.3×11.5
	220	400	6.3×11.5
	330	550	8×11.5
	470	750	10×12.5
	1000	1200	10×20
	2200	1600	12.5×25
	3300	2400	16×25
	4700	2800	16×30
35 (1V)	33	250	5×11.5
	47	250	5×11.5
	100	350	6.3×11.5
	220	550	8×11.5
	330	750	10×12.5
	470	1000	10×16
	1000	1500	12.5×20
	2200	2400	16×25
	3300	2800	16×30
50 (1H)	1	30	5×11.5
	2.2	43	5×11.5
	3.3	53	5×11.5
	4.7	88	5×11.5
	10	100	5×11.5
	22	180	5×11.5
	33	250	5×11.5
	47	280	6.3×11.5
	56	350	6.3×11.5
	100	450	8×11.5
	220	850	10×16
	330	1000	10×20
	470	1200	12.5×20
1000	2400	16×25	
2200	2600	16×35	

U _R (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 100KHZ	Size Φ DXL
(V)	(μF)	(mA _{rms})	(mm)
63 (1J)	10	170	5×11.5
	22	170	5×11.5
	33	250	6.3×11.5
	47	250	6.3×11.5
	100	650	10×12.5
	220	1000	10×20
	330	1250	12.5×20
	470	1400	12.5×25
	680	1600	12.5×25
	1000	2300	16×25
80 (1K)	4.7	55	5×11.5
	6.8	75	5×11.5
	10	190	6.3×11.5
	22	220	6.3×11.5
	33	300	8×11.5
	47	380	8×16
	100	790	10×16
	220	1320	12.5×20
	330	1550	12.5×25
	470	1630	12.5×35
680	1790	16×30	
100 (2A)	1	20	5×11.5
	2.2	30	5×11.5
	3.3	40	5×11.5
	4.7	65	5×11.5
	10	250	6.3×11.5
	22	250	6.3×11.5
	33	400	8×11.5
	47	500	8×16
	100	900	10×20
	220	1200	12.5×25
330	1600	16×25	
120 (2B)	1	30	5×11.5
	2.2	40	5×11.5
	3.3	55	6.3×11.5
	4.7	70	6.3×11.5
	6.8	82	8×11.5
	10	280	8×16
	22	310	10×20
	33	450	10×20
	47	540	10×20
	100	980	12.5×25
220	1320	12.5×40	

频率修正系数 Frequency Coefficient

容量 Cap(μF)	120Hz	1kHz	10kHz	100kHz
1~10μF	0.42	0.60	0.80	1.00
22~33μF	0.55	0.75	0.90	1.00
47~330μF	0.70	0.85	0.95	1.00
470~1000μF	0.75	0.90	0.98	1.00
2200~15000μF	0.80	0.95	1.00	1.00

外形尺寸表 Dimensions

ΦD	5	6.3	8	10	12.5	16
F	2.0	2.5	3.5	5.0	5.0	7.5
Φd	0.5		0.5	0.6	0.6	
a	L<16:1.5		16≤L<25:2.0		L≥25:2.5	