

RW 系列 Series

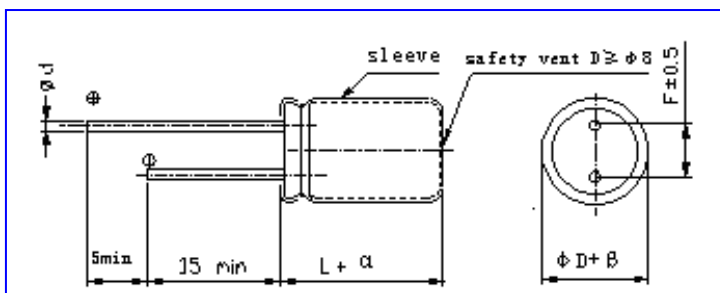
- 耐高纹波，耐高温，特长寿命，125°C 4000 小时
High Ripple Current High Temperature , Long Life, Life time 125°C 4000 hours
- 专为节能灯，电子镇流器设计制造
Specially designed for electronic ballast and energy-save lamp
- RoHS 指令已对应完毕。
Adapted to the RoHS directive.

■主要技术性能 Specifications

项目 Item	特性 Performance Characteristics												
使用温度范围 Operating temperature range	-40°C ~ +125°C												
额定电压范围 Rated voltage range	200V ~ 450V												
标称容量范围 Nominal capacitance range	1μF ~100μF												
电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)												
漏电流 Leakage current	$I \leq 0.02 CV + 10 \mu A$ (2分钟, +20°C) (at 20°C, after 2 minutes) C: 标称容量Capacitance (μF); V: 额定电压Rated voltage range (V)												
损耗角正切值 Dissipation factor (tg δ) (+20°C, 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tg δ</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table>	U _R (V)	200	250	350	400	450	tg δ	0.15	0.15	0.20	0.20	0.20
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tg δ	0.15	0.15	0.20	0.20	0.20								
温度特性(阻抗比/ 120Hz) Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z-40°C / +20°C</td> <td>6</td> <td>6</td> <td>7</td> <td>7</td> <td>9</td> </tr> </tbody> </table>	U _R (V)	200	250	350	400	450	Z-40°C / +20°C	6	6	7	7	9
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耐久性 Load life	<p>在+125°C 条件下，施加含额定纹波电流的额定电压，持续规定时间，并在+20°C下恢复 16 小时后，电容器应符合下列要求：The following specifications shall be met when the capacitors are restored to +20°C for 16 hours after D.C. bias rated ripple current is applied at +125°C, the peak voltage shall not exceed the voltage.</p> <p>持续时间 Time : 4000 小时</p> <p>电容量变化率 Capacitance change : ±20%初始测量值以内 Initial measured value</p> <p>漏电流 Leakage current : ≤初始规定值 Initial specified value</p> <p>损耗角正切值 Dissipation factor : ≤2 倍初始规定值 2times Initial specified value</p>												
高温贮存 Shelf life	<p>+105°C 1000 小时贮存后，恢复 16 小时后</p> <p>After storage for 1000 hours at +105°C and then resumed for 16 hours:</p> <p>电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the Initial measured value</p> <p>漏电流 Leakage current : ≤2 倍初始规定值 2 times of the Initial specified value</p> <p>损耗角正切值 Dissipation factor : ≤2 倍初始规定值 2times of the Initial specified value</p>												

■外形图及尺寸表 Case size table

单位 Unit: mm



D	8	10	12.5	16	18
F	3.5	5.0	7.5	7.5	
d	0.5、0.6	0.6	0.8	0.8	

α mAX	(L < 20) 1.5	β mAX	0.5
	(L ≥ 20) 2.0		

◇允许纹波电流的修正系数 Coefficient of allowable ripple current

纹波频率 (Hz) Frequency	50	120	1K	10K	100K
修正系数 Coefficient	0.40	0.50	0.80	0.90	1.00

■尺寸 Dimensions

容量 C _k (μF)	项目 Item 代码 Code	200V (2D)		250V (2E)		350V (2V)		400V (2G)		450V (2W)	
		size	Ripple	size	Ripple	size	Ripple	size	Ripple	size	Ripple
		φ D×L (mm)	(mA)	φ D×L (mm)	(mA)	φ D×L (mm)	(mA)	φ D×L (mm)	(mA)	φ D×L (mm)	(mA)
1.0	010							8×11.5	50	8×11.5	45
1.2	1R2							8×11.5	55	8×11.5	48
1.5	1R5							8×11.5	65	8×16	50
1.8	1R8							8×16	75	8×16	54
2.2	2R2					8×11.5	70	8×16	80	8×20	65
2.7	2R7					8×11.5	75	8×20	85	8×20	75
3.3	3R3	8×11.5	70	8×11.5	75	8×16	80	8×20	95	10×16	80
4.7	4R7	8×11.5	80	8×11.5	90	8×20	110	10×20	100	10×20	90
5.6	5R6	8×16	85	8×16	110	10×20	120	10×25	110	10×25	95
6.8	6R8	8×16	85	8×20	125	10×20	160	10×25	175	12.5×20	160
8.2	8R2	8×20	160	8×20	150	10×20	170	12.5×20	210	12.5×20	170
10	100	8×20	200	10×16	170	10×25	200	12.5×20	220	12.5×20	210
15	150	10×20	335	10×20	230	12.5×20	230	16×20	255	16×20	340
18	180	10×20	355	10×25	280	12.5×25	250	16×25	315	16×25	380
22	220	10×25	405	12.5×20	320	12.5×25	270	16×25	345	16×25	420
33	330	12.5×20	480	12.5×20	400	16×25	380	18×30	510	16×35	500
47	470	12.5×25	530	16×20	560	18×30	530	18×35	670		
68	680	16×25	610	16×30	730	18×35	680				
82	820	18×25	765	18×30	775						
100	101	18×30	900	18×35	950						

●额定纹波电流 Rated ripple current (mA,+125°C,100KHz)