

**RYK 系列**  
SERIES

Surface Mounting. Wide  
Temperature Range,  
High Reliability

适用于开关电源的表面贴装品

For switch-power supply systems, Surface Mounting

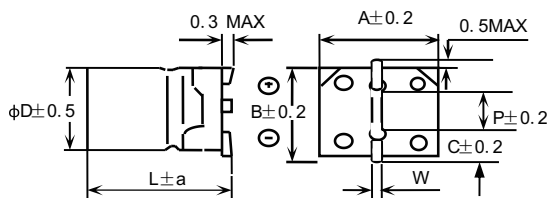
◆ **特长 FEATURES**

- 具有非常优越的耐纹波能力  
Very excellent ripple current ability
- 保证时间: 105°C 3000小时  
Load life : 105°C 3000Hrs
- 表面贴装品  
Surface Mounting.



◆ **特性表 SPECIFICATIONS**

项 目 Item	特 性 Characteristics											
使用温度范围 Operating Temperature Range	-40 ~ +105°C	-25 ~ +105°C										
额定电压范围 Rated Voltage Range (W. V)	200Vdc ~ 250Vdc	400Vdc ~ 450Vdc										
静电容量允许偏差 Capacitance Tolerance	± 20% (M) (at 20°C, 120Hz)											
漏电流 (I) DC Leakage Current	I ≤ 0.03CV + 10 (µA) (at 20°C) (施加额定电压2分钟后测试 After 2 minutes application of rated voltage)											
损耗角正切值 (TANδ) Dissipation Factor	<table border="1"> <tr> <td>容量</td> <td>200</td> <td>250</td> <td>400</td> <td>450</td> </tr> <tr> <td>TANδ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> </tr> </table>	容量	200	250	400	450	TANδ	0.15	0.15	0.15	0.15	
	容量	200	250	400	450							
TANδ	0.15	0.15	0.15	0.15								
容量超过1000µF, 每增加1000µF, TANδ加0.02 When rated capacitance is over 1000µF, TANδ shall be added 0.02 (at 20°C, 120Hz)												
温度特性 Temperature Characteristics	阻抗比 (120Hz) Impedance ratio at 120Hz	200~250V.DC, Z-40°C / Z20°C = 3MAX 400~500V.DC, Z-40°C / Z20°C = 8 MAX										
高温负荷特性 Load Life	105°C加额定电压3000小时后满足如下要求: After 3000 hours application of rated voltage at 105°C											
	静电容量变化率 Capacitance Change	初期值的±20%以内 With in ±20% of the initial value										
	损耗角正切值 (TANδ) Dissipation Factor	规格值的200%以内 Not more than 200% of the specified value										
	漏电流 (I) Leakage Current	规格值以下 Not more than the specified value										
高温无负荷特性 Shelf Life	+105°C 1000小时无负荷放置后, 特性应满足高温负荷特性 After storage for 1000 Hrs at +105°C with no voltage applied, the capacitor shall meet the specified limits for "Load Life"											
回流焊特性 Soldering Heat Resistance	经过250°C 30秒回流焊后, 特性如下: Place terminal side surface on 250°C hot plate for 30 seconds allow test samples to be cooled down to room temperature.											
	静电容量变化率 Capacitance Change	初期值的±10%以内 With in ±10% of initial value.										
	损耗角正切值 Tan δ	规格值以内 Less than initial specified value.										
	漏电流 Leakage Current	规格值以内 Less than initial specified value.										
其他 Others	执行 JISC 5141 JISC 5141											



φ D±0.5MAX	L	a	A±0.2	B±0.2	C±0.2	W	P±0.2
6.3	11.5	0.3	6.6	6.6	2.4	0.5~0.8	1.8
8	9.9	0.3	8.3	8.3	2.9	0.8~1.1	3.1
8	12	0.5	8.3	8.3	2.9	0.8~1.1	3.1
10	11 (13)	0.5	10.3	10.3	3.2	0.8~1.1	4.2

◆ 尺寸/纹波电流一览表 Case size / Ripple current  $\phi$ D×L (mm)/(mA)r.m.s (120Hz/+105°C)

W.V. (VDC) CAP. (μF)	200 (2D)					
	$\phi$ D=6.3 (mm)	Ripple current	$\phi$ D=8 (mm)	Ripple current	$\phi$ D=10 (mm)	Ripple current
2.2 (2R2)	6.3×11.5	33				
3.3 (3R3)	6.3×11.5	40				
4.7 (4R7)	6.3×11.5	50				
6.8 (6R8)			8×12.5	72		
10 (100)			8×12.5	80		
15 (150)	Case Size	Ripple			10×12.5	100

W.V. (VDC) CAP. (μF)	250 (2E)					
	$\phi$ D=8~13 (mm)	Ripple current	$\phi$ D=10~16 (mm)	Ripple current	$\phi$ D=18 (mm)	Ripple current
1 (010)	6.3×11.5	22				
2.2 (2R2)	6.3×11.5	33				
3.3 (3R3)	6.3×11.5	40				
4.7 (4R7)			8×12.5	80		
6.8 (6R8)			8×12.5	90		
10 (100)	Case Size	Ripple			10×12.5	100

W.V. (VDC) CAP. (μF)	400 (2G)					
	$\phi$ D=8~13 (mm)	Ripple current	$\phi$ D=10~16 (mm)	Ripple current	$\phi$ D=16~18 (mm)	Ripple current
1 (010)	6.3×11.5	12				
2.2 (2R2)	6.3×11.5	20	8×10	38		
3.3 (3R3)			8×10	40		
4.7 (4R7)			8×12.5	48	10×11	60
6.8 (6R8)			8×12.5	55	10×11	70
10 (100)					10×12.5	90
12 (120)	Case Size	Ripple			10×12.5	100

W.V. (VDC) CAP. (μF)	450 (2W)					
	$\phi$ D=8~13 (mm)	Ripple current	$\phi$ D=10~16 (mm)	Ripple current	$\phi$ D=16~18 (mm)	Ripple current
2.2 (2R2)			8×12.5	28		
3.3 (3R3)	Case Size	Ripple			10×12.5	40
4.7 (4R7)					10×12.5	46