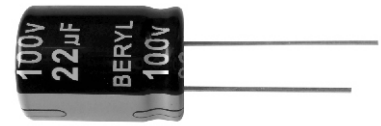


RJ Series

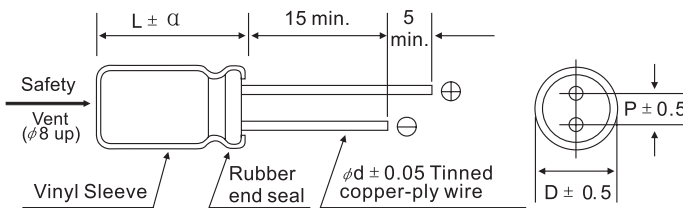
- Very low impedance and long life
- Endurance with ripple current: 10000 hours at 105°C
- RoHS Compliant



規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics							
使用溫度範圍 Category Temperature Range	-25 ~ +105°C							
額定工作電壓範圍 Rated Voltage Range	10 ~ 100V							
靜電容量允許偏差 Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)							
漏電流 Leakage Current	I ≤ 0.01CV or 3µA, which is greater application of rated Voltage after 2 minutes. 施加額定工作電壓2分鐘後讀數, 二者取大值 Note: I=Max.leakage current (uA), C=Nominal capacitance(uF), V=Rated voltage(V) (at 20°C)							
損耗角正切值 tan δ Dissipation Factor	Rated voltage(V)	10	16	25	35	50	63	100
	tan δ (Max.)	0.45	0.35	0.30	0.22	0.19	0.17	0.15
(at 20°C, 120Hz)								
低溫特性 Low temperature Characteristics (Max. Impedance Ratio)	電容器低溫阻抗比值, 不應超過下表所列出的值							
	Rated voltage(V)	10	16	25	35	50	63	100
Z(-25°C)/Z(+20°C)	8	6	4	4	3	3	3	
(at 20°C, 120Hz)								
耐久性 Endurance	施加額定工作電壓和最大允許紋波電流, 恢復到20°C後, 測試性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after subjected to DC voltage with the rated ripple current is applied for the specified period of time.							
	Capacitance change	≅ ±25% of the initial value						
	D.F.(tan δ)	≅ 200% of the specified value						
	Leakage current	≅ The specified value						
高溫儲存特性 Shelf Life	105°C放置1000小時, 恢復到20°C後, 測試性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after exposing them for 1000 hours at 105°C without voltage applied.							
	Capacitance change	≅ ±25% of the initial value						
	D.F.(tan δ)	≅ 200% of the specified value						
	Leakage current	≅ The specified value						

外形圖 DIMENSIONS (mm)



ΦD	5	6.3	8	10
P	2.0	2.5	3.5	5.0
Φd	0.5	0.5	0.5	0.6

α	(L < 20) 1.5
	(L ≥ 20) 2.0

紋波電流補正係數 RATED RIPPLE CURRENT COEFFICIENT

- 頻率係數 Frequency Coefficient

Rated Voltage	Frequency(Hz)	120	1k	10k	100k
1.0~10		0.42	0.60	0.80	1.00
22~33		0.55	0.75	0.9	1.00
47~330		0.70	0.85	0.95	1.00

RJ Series

- Ultra Low ESR
- Enabled high ripple current by a reduction of ESR at high frequency range
- RoHS Compliant

■ 尺寸與最大紋波電流一覽表 STANDARD RATINGS

WV (Vdc)	Cap (μF)	尺寸 ΦD×L (mm)	額定紋波電流 (mArms/105°C 100kHz)	WV (Vdc)	Cap (μF)	尺寸 ΦD×L (mm)	額定紋波電流 (mArms/105°C 100kHz)
10	100	5×11	130	63	10	5×11	80
	220	6.3×11	210		22	6.3×11	170
	330	8×11.5	330		33	6.3×11	170
	680	10×13	430		47	8×11.5	240
16	47	5×11	130	100	68	10×13	360
	100	6.3×11	210		100	10×16	450
	220	8×11.5	330		1.0	5×11	40
25	470	10×13	480		2.2	5×11	50
	33	5×11	130		3.3	5×11	60
	47	5×11	130		4.7	5×11	70
35	100	6.3×11	210		10	6.3×11	150
	33	5×11	130		22	8×11.5	230
	47	6.3×11	210		33	10×13	290
50	100	8×11.5	330		47	10×16	350
	1.0	5×11	25		68	10×16	390
	2.2	5×11	35		100	10×20	450
	3.3	5×11	70		150	10×25	510
	4.7	5×11	80				
	10	5×11	90				
	22	5×11	110				
	33	6.3×11	190				
47	6.3×11	190					
100	8×11.5	270					