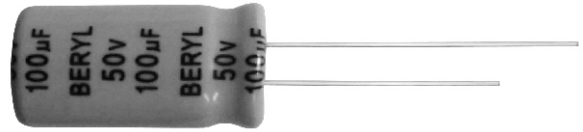


NQ Series

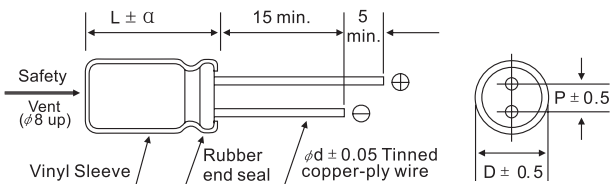
- 105°C Standard Bi-polarized type
- RoHS Compliant



■規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics	
使用溫度範圍 Category Temperature Range	-40 ~ +105°C	
額定工作電壓範圍 Rated Voltage Range	6.3 ~ 100V	
靜電容量允許偏差 Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)	
漏電流 Leakage Current	I ≤ 0.06CV or 10µ A. Which is greater after application of rated Voltage for 2 minutes. 施加額定工作電壓2分鐘後讀數,二者取大值。 I ≤ 0.03CV or 3µ A. which greater after application of rated Voltage for 5 minutes. 施加額定工作電壓5分鐘後讀數,二者取大值。 I:漏電流 (µA)、C: 靜電容量 (µF)、額定電壓 (V)	
損耗角正切值 tan δ Dissipation Factor	Rated voltage(V)	6.3 10 16 25 35 50 63 80 100
	tan δ (Max.)	0.24 0.24 0.20 0.20 0.16 0.14 0.12 0.12 0.10
標稱容量超過1000 µF則每增加1000 µF,損耗角正切值增加0.02 When nominal capacitance exceeds 1000 µ F, add 0.02 to the value above for each 1000 µ F increase (at 20°C, 120Hz)		
低溫特性 Low temperature Characteristics (Max. Impedance Ratio)	電容器低溫的阻抗比值, 不應超過下表所列出的值 Impedance ratio values must not exceed values listed in below table.	
	Rated voltage(V)	6.3 10 16 25 35 50 63 80 100
	Z(-25°C)/Z(+20°C)	4 3 2 2 2 2 2 2 2
Z(-40°C)/Z(+20°C)	10 8 6 4 3 3 3 3 3	(at 120Hz)
耐久性 Endurance	105°C施加額定工作電壓1000小時, 經恢復經恢復到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 the rated voltage is applied for 1000 hours at 105°C.	
	Rated voltage	6.3 ~ 16V 25~100V
	Capacitance change	≅ ±25% of the initial value ≅ ±20% of the initial value
	D.F. (tan δ)	≅ 150% of the specified value
	Leakage current	≅ The specified value
高溫儲存特性 Shelf Life	105°C存放500小時, 經恢復經恢復到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 500 hours at 105°C without voltage applied.	
	Rated voltage	6.3 ~ 16V 25 ~ 100V
	Capacitance change	≅ ±25% of the initial value ≅ ±20% of the initial value
	D.F. (tan δ)	≅ 150% of the specified value
	Leakage current	≅ The specified value

■外形圖 DIMENSIONS (mm)



D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.5	0.6	0.6	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

■尺寸與最大紋波電流一覽表 STANDARD RATINGS

WV(V) Cap(µF)	6.3(0J)	10(1A)	16(1C)	25(1E)	35(1V)	50(1H)	63(1J)	80(1K)	100(2A)	
0.47						5 × 11	8		5 × 11	9
1.0						5 × 11	11		5 × 11	12
2.2						5 × 11	15		5 × 11	17
3.3						5 × 11	19	5 × 11	63 × 11	23
4.7						5 × 11	22	63 × 11	63 × 11	28
10					5 × 11	32	63 × 11	38	63 × 11	42
22			5 × 11	45	63 × 11	47	63 × 11	52	8 × 12	63
33			5 × 11	50	63 × 11	57	8 × 12	75	8 × 12	78
47			5 × 11	55	63 × 11	68	8 × 12	88	10 × 13	105
100	63 × 11	91	63 × 11	90	8 × 12	110	8 × 12	110	10 × 16	160
220	8 × 12	151	8 × 12	155	10 × 13	198	10 × 16	220	13 × 20	295
330	8 × 12	185	10 × 16	240	10 × 16	265	13 × 20	325	13 × 20	350
470	10 × 13	265	10 × 16	291	10 × 20	350	13 × 20	380	13 × 25	470
1,000	10 × 20	465	13 × 20	515	13 × 25	610	16 × 26	675	16 × 32	810
2,200	13 × 25	820	16 × 26	915	16 × 32	1080	18 × 36	1145		
3,300	16 × 26	1120	16 × 32	1210	18 × 36	1410				
4,700	16 × 32	1440	18 × 36	1530						
6,800	18 × 36	1840								

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