

KX Series

- Snap-in, Smaller Size
- Endurance with ripple current: 105°C 2000 hours
- RoHS Compliant

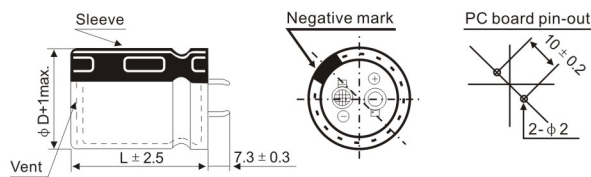


规格表 SPECIFICATIONS

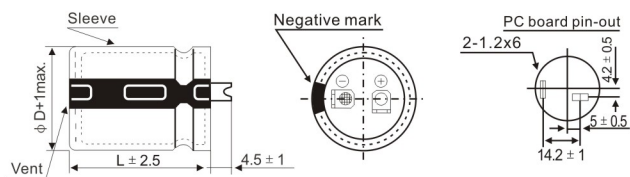
项目 Items	参数特性 Characteristics		
使用温度范围 Category Temperture Range	-25 ~ +105℃		
额定工作电压范围 Rated Voltage Range	160 ~ 500V		
静电容量允许偏差 Capacitance Tolerance	±20% (M) (at 20℃,120Hz)		
漏电流 Leakage Current	I≤3√CV after application of rated Voltage for 5 minutes. 施加额定工作电压5分钟后读数. I:漏电流 (μA)、C: 静电容量 (μF)、额定电压 (V)		
损耗角正切值tan δ Dissipation Factor	Rated voltage(V)	160~400	420~500
	Tan δ (Max.)	0.15	0.2
标称容量超过1000 μF,则每增加1000 μF,损耗角正切值增加0.02. When nominal capacitance exceeds 1000 μ F,add 0.02 to the value above for each 1000 μ F increase. (at 20℃,120Hz)			
低温特性 Low Temperature Characteristics (Max.Impedance Ratio)	电容器在120Hz下的阻抗比值, 不应超过下表所列出的值		
	Rated voltage(V)	160~400	420~500
	Z(-25℃)/Z(+20℃)	4	8
(at 120Hz)			
耐久性 Endurance	施加额定工作电压和额定纹波电流, 恢复到20℃后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20℃ after application of rated voltage with rated ripple current.		
	Capacitance change	≦ ±20% of the initial value	
	D.F.(tan δ)	≦200% of the specified value	
	Leakage current	≦ The specified value	
高温储存特性 Shelf Life	105℃放置1000小时, 恢复20℃后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1000 hours at 105℃ without voltage applied.		
	Capacitance change	≦ ±20% of the initial value	
	D.F.(tan δ)	≦ 150% of the specified value	
	Leakage current	≦ The specified value	

外形图 DIMENSIONS (mm)

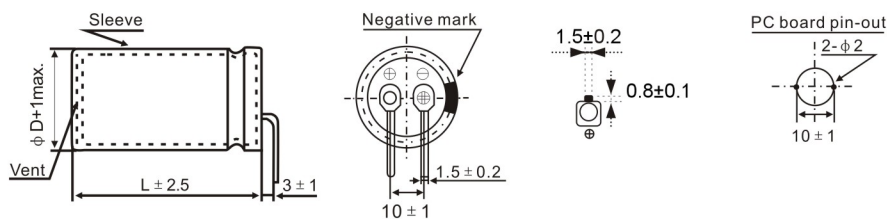
●Standard Terminal Type: S (Φ22 ~ Φ35)



●Terminal Type: P (Φ35)



●Terminal Type: L (Φ22×30 ~ 50L)



KX Series

■ 尺寸与最大纹波电流一览表 STANDARD RATINGS

WV(V) Cap(μF)	160(2C)				180(2Z)				200(2D)			
470	22×25 1.47				22×25 1.32				22×30 1.34			
680	22×30 1.9	25×25 1.9			22×35 1.90				22×40 1.90	25×30 1.90		
820	22×35 2.09	25×30 2.09			22×40 2.20	25×30 2.10	30×25 2.30		22×45 2.20	25×35 2.20	30×25 2.20	
1,000	22×40 2.35	22×45 2.35	25×35 2.35	30×25 2.50	22×45 2.40	22×50 2.50	25×35 2.40	30×30 2.50	22×50 2.50	25×40 2.40	30×30 2.50	35×25 2.70
1,200	22×50 2.70	25×40 2.70	30×30 2.80	35×25 3.00	25×45 2.80	30×35 2.80	35×25 2.90		25×45 2.70	25×50 2.80	30×35 2.80	35×30 3.00
1,500	25×45 3.00	30×35 3.20	35×30 3.20		25×50 3.10	30×40 3.30	35×30 3.40		30×40 3.30	35×35 3.30		
1,800	25×50 3.40	30×40 3.60	35×30 3.70		30×45 3.70	35×35 3.70			30×45 3.70	30×50 3.70	35×40 3.80	
2,200	30×45 4.10	35×35 4.10			30×50 4.10	35×45 4.80			35×45 4.30			
2,700	30×50 4.50	35×40 4.70	35×45 4.80		35×45 4.80	35×50 4.90			35×50 4.90			
3,300	35×50 5.50	← Case size ΦDXL(mm) ← Rated ripple current (Arms) at 105°C, 120Hz										

WV(V) Cap(μF)	250(2E)				400(2G)				420(W6)			
150					22×30 0.90				22×35 1.00			
220					22×40 1.20	25×30 1.20			22×45 1.20	22×50 1.20	25×35 1.20	30×30 1.20
270	22×25 1.10				22×45 1.30	25×35 1.30	30×25 1.30		25×40 1.30	25×45 1.40	35×25 1.40	
330	22×30 1.30				22×50 1.50	25×40 1.50	30×30 1.50	35×25 1.50	35×50 1.50	30×35 1.50	30×40 1.50	35×30 1.60
470	22×40 1.60	25×30 1.60			30×40 1.90	35×30 1.90	35×35 2.00		30×50 1.90	35×40 1.90		
560	22×45 1.80	25×35 1.80	30×25 1.90		30×45 2.00	30×50 2.10	35×35 2.10		35×45 2.20			
680	22×50 2.00	25×40 2.00	30×30 2.10	35×25 2.20	35×40 2.40	35×45 2.40			35×50 2.50			
820	25×45 2.30	30×35 2.30	35×25 2.20		35×50 2.70							
1,000	25×50 2.50	30×40 2.70	35×30 2.70									
1,200	30×45 3.00	30×50 3.00	35×35 3.00									
1,500	35×40 3.50	35×45 3.60										
1,800	35×50 4.00	← Case size ΦDXL(mm) ← Rated ripple current (Arms) at 105°C, 120Hz										

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尺寸与最大纹波电流一览表 STANDARD RATINGS

WV(V) Cap(μF)	450(2W)				500(2H)			
120	22×30 0.80	22×35 0.90	25×25 0.80		22×50 0.90	25×35 0.95	30×30 0.95	35×25 1.00
150	22×40 0.95	25×30 0.95	30×30 1.20		25×45 1.10	30×35 1.10	35×25 1.00	
220	22×50 1.20	25×40 1.20	30×30 1.20	35×25 1.30	30×45 1.40	35×35 1.40		
270	25×45 1.40	25×50 1.50	30×35 1.40	35×30 1.40	30×50 1.50	35×40 1.50		
330	30×40 1.50	35×30 1.40			35×45 1.60			
470	35×40 2.00	35×45 2.10			35×60 2.00			
560	35×50 2.30	← Case size ΦDXL(mm) ← Rated ripple current (Arms) at 105℃,120Hz						

纹波电流补正系数 RATED RIPPLE CURRENT COEFFICIENT

● 频率系数 Frequency Coefficient

Frequency(Hz)	50	120	300	1k	10k	50k
6.3 ~ 50V	0.95	1.0	1.03	1.05	1.08	1.08
63 ~ 100V	0.92	1.0	1.07	1.13	1.19	1.20
160 ~ 250 V	0.81	1.0	1.17	1.32	1.45	1.50
315 ~ 500 V	0.77	1.0	1.16	1.30	1.41	1.43