

规格承认书

Specification for approval

客户名称:

深圳市立创商城电子商务有限公司

(Customer Name)

产品名称:

电解电容

(Product Name)

Aluminum Electrolytic Capacitor

客户料号:

(Customer part number)

科尼盛料号:

DGR400M106G123S1AA

(KNSCHA number)

型号规格:

400V/10UF 8*12mm KGR

(Specifications)

日期:

2025.2.26

DATE

制 造 Manufacture	
核 准 APPROVAL	制 作 PREPARED
王帅	陆美秀

客户承认栏 CUSTOMER APPROVED		
核 准 APPROVED	确 认 CHECKED	经 办 DESIGNED

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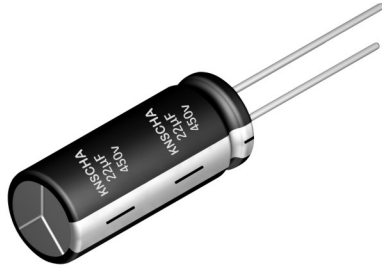


特性/ Features

- 105℃ for general purposes
- Downsize, high ripple current
- Load Life:2000 hours at 105℃
- Slim type included
- RoHS compliant
- 105℃一般用途品
- 小体积、耐高纹波
- 涵盖瘦长铅笔型
- 105℃负荷寿命2000小时
- 符合RoHS指令



ΦD < 13mm



ΦD ≥ 13mm

引线型Radial

表1 规格表 Specifications

项目 Items	性 能 Performance								
工作温度范围 Category Temperature Range	160~400V				450V				
	-40℃ ~ +105℃				-25℃ ~ +105℃				
额定静电容量容许误差值 Capacitance Tolerance	± 20% (120 Hz, 20℃)								
漏 电 流 Leakage Current(at 20℃)	额定电压 Rated voltage	≤100V			> 100V				
	测试时间 Time	2 分钟后 after 2 minutes			2 分钟后 after 2 minutes				
	漏 电 流 Leakage Current	I = 0.01CV 或 3(μA/微安) 之中任一较大值以下whichever is greater			I ≤0.03CV+10(μA/微安)				
	I = 漏电流(μA/微安)、C = 额定静电容量(μF/微法拉)、V = 额定直流工作电压(V/伏特) Where,C = rated capacitance in μF,V = rated DC working voltage in V								
损失角正切值 Tanδ (at 120 Hz, 20℃)	额定电压 Rated Voltage	160	200	250	350	400	420	450	
	损失角正切值 Tanδ (max)	0.15	0.15	0.15	0.20	0.20	0.20	0.20	
当额定静电容量大于1,000微法拉时, 每增加1,000微法拉需加0.02。 When the capacitance exceeds 1,000μF,0.02 shall be added every 1,000μF increase.									
温度特性(120 Hz) Low Temperature Characteristics	阻抗比不可大于下表所列数值 Impedance ratio shall not exceed the values given in the table below.								
	额定电压 Rated Voltage		160	200	250	350	400	450	500
	阻 抗 比 Impedance Ratio	Z(-25℃)/Z(+20℃)	3	3	3	6	6	6	8
		Z(-40℃)/Z(+20℃)	8	8	8	10	10		
耐久性 Endurance	保证寿命时间 Test Time		2,000 hours						
	静电容量变化率 Capacitance Change		≤ 初始值的± 25% Within ±25% of initial value						
	损失角正切值 Tanδ		≤ 初始规格值的200%或0.4(取较大者) Less than 200% of specified value or 0.4 whichever is greater						
	漏 电 流 Leakage Current		≤ 初始规格值 Within specified value						
	*于 105℃环境中供给容许纹波电流值与额定电压 2,000 小时后, 待制品回复至 20℃的环境中进行量测时, 需满足上列要求。 *The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 2,000 hours at 105℃.								
高温无负荷特性 Shelf Life Test	保证寿命时间 Test Time		1,000 hours						
	静电容量变化率 Capacitance Change		≤ 初始值的± 25% Within ±25% of initial value						
	损失角正切值 Tanδ		≤ 初始规格值的200%或0.4(取较大者) Less than 200% of specified value or 0.4 whichever is greater						
	漏 电 流 Leakage Current		≤ 初始规格值 Within specified value						
	*于105℃环境中不供给额定电压 1,000 小时后, 待制品回复至20℃的环境中进行量测时, 需满足上列要求。 *The above specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied.								

表2 外形尺寸 Dimensions(mm)

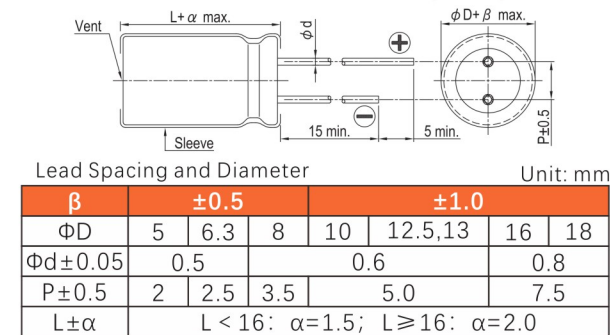


表3 纹波电流与频率补正系数
Ripple Current and Frequency Multipliers

160V~450V				
F (Hz)	50	120	1K	100K
Coefficient	0.80	1.00	1.40	1.60

■表4 标准品一览表 Standard Size

Dimension and Permissible Ripple Current

Dimension: $\phi D \times L$ (mm)
Ripple Current: mA/rms at 120 Hz, 105°C

Rated Volt.(Vdc)	160		200		250		350		400		450	
Surge Volt.(Vdc)	200		250		300		400		450		500	
Item Cap.(μ F)	D×L	R. C.	D×L	R. C.	D×L	R. C.	D×L	R. C.	D×L	R. C.	D×L	R. C.
1									8×12	30		
2.2									8×12	45		
3.3									10×12.5	75		
4.7					8×12	80	10×12.5	75	8×12	54	10×20	110
									10×16	110		
5.6							10×12.5	90	8×12	100		
									10×16	125		
6.8					10×12.5	125	10×16	140	10×16	140	10×20	140
10	10×16	160					10×20	175	10×12.5	150	13×20	225
			10×16	160	10×16	160			10×16	150		
15									10×20	175	13×25	300
									10×16	145		
									13×20	135		
22	10×20	250	10×16	210	10×20	250	13×20	325	13×16	65	16×20.5	365
			10×20	250					13×20	380		
33	10×20	325	10×20	325	13×20	400	16×20.5	450	13×20	470	16×25.5	490
									16×20.5	500		
47	10×20	375	13×20	490	13×20	490	16×20.5	540	16×20.5	600	18×25.5	600
									16×25.5	550		
									18×20.5			
68	13×20	590	13×25	650	16×20.5	650	18×25.5	735	18×25.5	650		
			16×20.5	650								
82			16×20.5	690	16×20.5	690	18×25.5	765				
100	13×25	710	16×20.5	710	16×25.5	765			13×40	800		
	16×20.5	710										
120									18×35.5	700	18×35.5	750
150	16×25.5	945	16×25.5	900	18×25.5	970						
220	18×25.5	1185	18×31.5	1250								
330	18×25.5	1330										

制品尺寸与容许纹波电流一览表

尺寸: 直径(ϕD)×长度(L), (毫米/mm)
容许纹波电流: 毫安/均方根值(mA/rms), 120 赫兹(Hz), 105°C

■表5 产品编码说明 Part Numbering System

D	GR	336	M	450	S1	A	0	M2F	A			
电容器类别 Capacitors Name	系列名 Series Name	额定静电容量 Capacitance	额定静电容量 容许误差值 Capacitance tolerance	额定电压 Rated voltage	加工形状 Processing shape	电气特性 Electrical characteristics	PET套颜色管 PET Sleeve color	制品尺寸 Case size	内部特征码 Internal use			
引线型铝电解电容器 Leaded Aluminum Electrolytic Capacitors	KGR Series	范例Example:	M=±20%	范例Example:			黑体银字 Black body silver print	范例Example:				
		Cap.		Symbol				Voltage		Symbol	φDL (mm)	Symbol
		0.1μF		104				6.3V		6R3	16x25.5	M2F
		2.2μF		225				10V		010		
		33μF		336				250V		250		
		470μF		477								
		6800μF		688								
82000μF	829											

△如需了解更详细之介绍, 请联系我们
Note: For more details, please contact us
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