

Specification for approval

客户名称:

(Customer Name)

产品名称:

螺栓型铝电解电容

(Product Name)

Screw Terminal Type Aluminum Electrolytic Capacitors

客户料号:

(Customer part number)

科尼盛料号:

227EC0037

(KNSCHA number)

型号规格:

E/C 400V/1000 μ F D51XL80mm KNSCHA KHA

(Specifications)

日期:

2025.9.9

DATE

制 造 Manufacture	
核 准 APPROVAL	制 作 PREPARED
王帅	张优美

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

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Screw Terminal Type Aluminum Electrolytic Capacitors

KHA series

- Standard Series General Purposes, Warranty of 2,000 hours at 105°C
- RoHS Compliant.
- 通用标准系列, 105°C条件下, 保证使用2000小时
- 环保产品.

●Specifications 规范

Items 项目	Characteristics 特性	
Capacitance Tolerance 静电容量误差	$\pm 20\%$ (120Hz, 20°C)	
Operating Temperature Range 适用温度范围	-40 ~ +105°C	-25 ~ +105°C
Rated Voltage Range 工作电压范围	6.3~250V.DC	350~500V.DC
Leakage Current 泄漏电流	0.01CV (μ A) or 5 mA, whichever is smaller or less(20°C, after 5 minutes) (C = nominal capacitance (μ F), V = rated)	
Dissipation Factor($\tan\delta$) 散逸因素(损失正切角)	Less than the value specified in the standard products table(20°C,120Hz)	
Load Life 负荷寿命	2000 hours, with application of working voltage at 105°C	
	Capacitance Change	Within $\pm 20\%$ of Initial Value
	$\tan \delta$	200% or less of Initial Specified Value
	Leakage Current	Initial specified value or less
Shelf Life 放置寿命	1000hours, no voltage applied, at 105°C After Test: U_R to be applied for 30 minutes, 24 to 48 hours before measurement.	
	Capacitance Change	Within $\pm 20\%$ of Initial Value
	$\tan \delta$	200% or less of Initial Specified Value
	Leakage Current	Initial Specified Value or less
Standards 参照标准	JIS C5101-4-1 and JIS C5101-2	

● Permissible Ripple Current 允许纹波电流

Temperature Coefficient 温度系数

TEMP(°C) 温度		40	55	70	85	105
Coefficient 校正系数	≤ 100 WV	4.90	3.9	3.0	1.8	1.0
	> 160 WV	3.80	3.3	2.5	2.0	1.0

Frequency Coefficient 频率系数

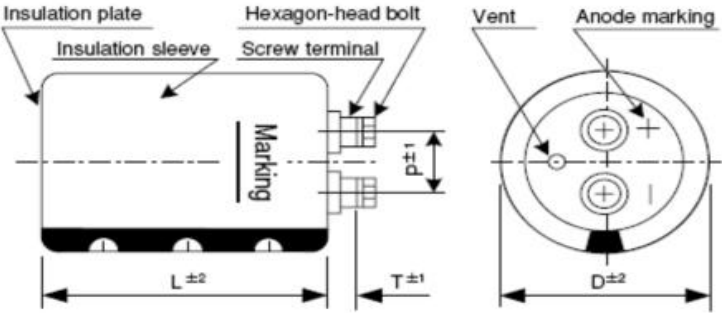
Frequency (Hz) 频率	50/60	120	1K	≥ 10 K
Correction coefficient 校正系数	0.80	1.00	1.30	1.40

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● Dimensions(mm) 尺寸

Φ D	P	S	T
35	12.7	M5×10	6.5
51	22	M5×10	6.5
64	28	M5×10	6.5
76	32.0	M5×10	6.0
90	32.0	M5×10	6.0
100	32.0	M8×17	6.0
120	41.5	M8×23	6.0



● Standard Ratings 标准额定值

WV	Cap	Case size	tanδ (Max)	R.C.	Part No.
(Vdc)	(uF)	Φ D×L (mm)		(Arms/105℃ ,120HZ)	
40	72000	64*120	0.55	10.92	227EC0032
50	10000	35*80	0.25	4.10	227EC0033
63	22000	51*84	0.30	6.50	227EC0034
	47000	64*105	0.35	10.30	227EC0035
400	1000	51*75	0.20	2.50	227EC0036
	1000	51*80	0.20	2.55	227EC0037