KNSCHA
Empowering The World

广东科尼盛电子科技有限公司
KNSCHA ELECTRONICS CO., LIMITED

规格承认书

Specification for approval

客户名称: (Customer Name)	
产品名称: (Product Name)	螺栓型铝电解电容 Screw Terminal Type Aluminum Electrolytic Capacitors
客户料号: (Customer part number)	
科尼盛料号: (KNSCHA number)	227EC0018
型号规格: (Specifications)	E/C 400V/2200μF D51XL105mm KNSCHA KSB
日期: DATE	2025.9.9

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

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

广东科尼盛电子科技有限公司

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Screw Terminal Type Aluminum Electrolytic Capacitors

KSB series

- Standard Series General Purpoes，Warranty of 2 ,000 hours at 85°C
- RoHS Compliant.
- 通用标准系列，85℃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	±20%(120Hz, 20℃)	
Operating Temperature Range 适用温度范围	-40 ~ +85℃	-25 ~ +85℃
Rated Voltage Range 工作电压范围	6.3~250V.DC	350~500V.DC
Leakage Current 泄漏电流	0.01CV (μA) or 5 mA, whichever is smaller or less(20°C, after 5 minutes) (C = nominal capacitance (μF), V = rated)	
Dissipation Factor(tanδ) 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	15000 hours, with application of working voltage at 85℃	
	Capacitance Change	Within ±20% of Initial Value
	tan δ	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 85℃ After Test：U_R to be applied for 30 minutes, 24 to 48 hours before measurement.	
	Capacitance Change	Within ± 20% of Initial Value
	tan δ	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(℃) 温度	40	60	70	85
Coefficient 校正系数	2.70	2.00	1.70	1.00

Frequency Coefficient 频率系数

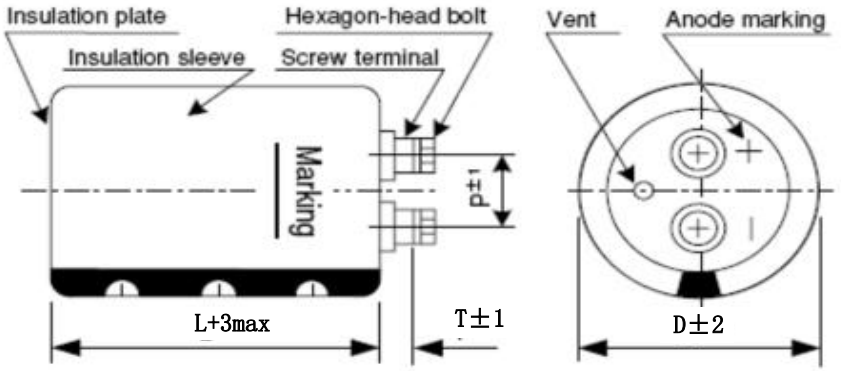
Frequency (Hz) 频率		50/60	120	300	1K	≥10K
Correction coefficient 校正系数	6.3~50WV	0.95	1.00	1.04	1.10	1.15
	63~100WV	0.95	1.00	1.06	1.16	1.30
	160~500WV	0.80	1.00	1.10	1.25	1.50

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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	31.2	M5×10	6.0
90	31.5	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 (Vdc)	Cap (uF)	Case size ΦD×L (mm)	tanδ (Max)	R.C. (Arms/85℃ ,120HZ)	Part No.
200	33000	90*155	0.25	69.0	227EC0015
400	1000	51*60	0.20	9.2	227EC0016
	1500	51*80	0.20	12.0	227EC0017
	2200	51*105	0.20	16.5	227EC0018
	3300	64*120	0.20	22.3	227EC0019
	4700	76*115	0.20	28.2	227EC0020
	5600	76*115	0.20	30.6	227EC0021
	6800	76*130	0.20	35.4	227EC0022
	8200	76*130	0.20	39.8	227EC0023
	10000	90*130	0.20	45.8	227EC0024
	12000	90*155	0.20	53.8	227EC0025
450	1000	51*70	0.20	9.2	227EC0026
	4700	76*115	0.20	28.1	227EC0027
	5600	76*130	0.20	32.1	227EC0028
	6800	76*145	0.20	36.9	227EC0029