

规格承认书

Specification for approval

客户名称:

(Customer Name)

产品名称:

(Product Name)

客户料号:

(Customer part number)

科尼盛料号:

(KNSCHA number)

型号规格:

(Specifications)

日期:

DATE

螺栓型铝电解电容

Screw Terminal Type Aluminum Electrolytic Capacitors

227EC0031

E/C 450V/15000 μ F D100XL195mm KNSCHA KSD

2025.9.9

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

KSD series

- Long Life, High Reliability , Warranty of 5,000 hours at 85°C
- RoHS Compliant.
- 长寿命、耐高纹波，85℃条件下， 保证使用5000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	-25 ~ +85℃		
Rated Voltage Range 工作电压范围	350~500V.DC		
Leakage Current 泄漏电流	0.01CV (μA) or 5 mA, whichever is smaller or less(20℃, after 5 minutes) (C = nominal capacitance (μF), V = rated)		
Dissipation Factor(tanδ) 散逸因素 (损失正切角)	Measurement Frequency: 120Hz. Temperature: 20℃		
	Rated Voltage(V)	350~400WV	450~500WV
	tan δ (MAX)	0.15	0.20
Load Life 负荷寿命	5000 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	1.89	1.67	1.56	1.00

Frequency Coefficient 频率系数

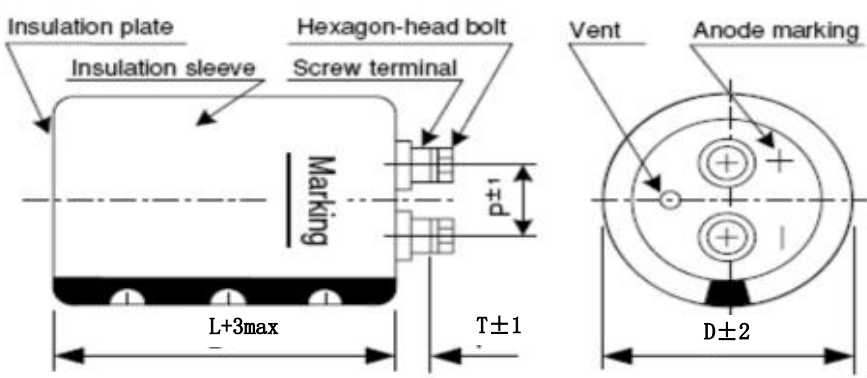
Frequency (Hz) 频率	50/60	120	300	1K	≥10K
Correction coefficient 校正系数	0.80	1.00	1.10	1.30	1.40

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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	31.2	M5×10	6.0
90	31.5	M5×10	6.0
100	32.0	M8×17	6.0
120	41.5	M6×12	6.0



● Standard Ratings 标准额定值

WV (Vdc)	Cap (uF)	Case size Φ D×L (mm)	tanδ (Max)	R.C. (Arms/85℃ ,120HZ)	Part No.
450	3300	64*130	0.20	14.8	227EC0030
	15000	100*195	0.20	26.5	227EC0031