

KH Series**Features**

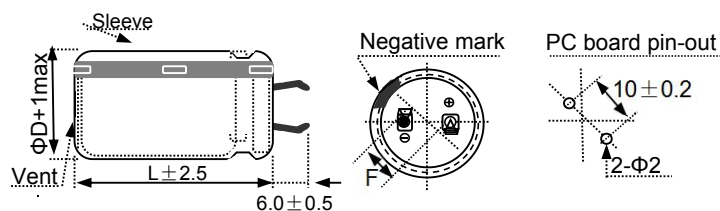
- Snap-in, high voltage
- Endurance with ripple current: 85℃ 2000 hours
- High ripple current capability
- Safety vent designed on aluminum case
- RoHS2.0 Compliant

Applications

- Professional power supply
- Inverter
- UPS
- Air conditioner, general purpose inverter
- Professional arena power amplifier
- Frequency converters
- Medical power supply
- And others

规格表 Specifications

项目 Items	特性参数 Characteristics			
使用温度范围 Category Temperature Range	-25~+85℃			
额定工作电压范围 Rated Voltage Range	550V.DC~600V.DC			
电容量允许偏差 Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)			
漏电流 Leakage Current	I≤3√CV 施加额定工作电压5分钟 After 5 minutes application of rated voltage. Note: I= Max. leakage current (μA), C = Nominal capacitance (μF), V = Rated voltage (V) (at 20℃)			
损耗角正切值 tanδ Dissipation Factor	Rated voltage(V)	550	600	(at 20℃,120Hz)
	tanδ (Max.)	0.22	0.28	
低温特性 Low Temperature Characteristics (Max.Impedance Ratio)	阻抗比值不得超过下表中列出的值 The impedance ratio shall not exceed the values listed in the below table. (at 125℃)			
	Rated voltage(V)	550	600	
	Z(-25℃)/Z(+20℃)	8	8	
耐久性 Endurance	在85℃环境中，不超过额定电压的范围内叠加最大允许纹波电流，连续2000小时，经恢复到20℃后,电容器满足以下各项要求。 The following specifications shall be satisfied when the capacitors are restored to 20℃ after applied within maximum allowable ripple current and not over rated voltage range for 2000 hours at 85℃.			
	Capacitance change	≤±20% of the initial value		
	D F (tanδ)	≤200% of the initial specified value		
	Leakage cunent	≤The initial specified value		
高温储存特性 Shelf Life	在85℃环境中，不施加电压条件下储存500小时，经恢复到20℃后，电容器满足以下各项要求。 The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 500 hours at 85℃ without voltage applied.			
	Capacitance change	≤±20% of the initial value		
	D F (tanδ)	≤150% of the initial specified value		
	Leakage cunent	≤200% of the initial specified value		

尺寸图 (单位: mm) DIMENSIONS (Unit:mm)**● Standard Terminal Type : S (Φ40)****纹波电流修正系数 Rated Ripple Current Coefficient****● 频率系数 Frequency Coefficient**

Frequency(Hz)	50	120	300	1k	10k	100k
550V.DC	0.77	1.00	1.16	1.32	1.43	1.48
600V.DC	0.76	1.00	1.07	1.3	1.41	1.45

KH Series◆ 尺寸&最大允许纹波电流一览表 **Dimensions & maximum allowable ripple current**

Cap.(μF)	WV(V)	550(2L)		
		ΦD×L(mm)	Maximum allowable ripple current at 85℃ /120Hz(A.r.m.s)	Maximum ESR at 20℃/100 Hz (mΩ)
220		40×45	2.33	510
270		40×55	2.57	420
390		40×64	3.12	290

Cap.(μF)	WV(V)	600(2M)		
		ΦD×L(mm)	Maximum allowable ripple current at 85℃ /120Hz(A.r.m.s)	Maximum ESR at 20℃/100 Hz (mΩ)
180		40×45	2.11	620
220		40×55	2.32	510
330		40×64	2.87	340

※ 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化，中心温度每升温5℃寿命减少一半。要想保持长寿命请在使用过程中降低纹波电流。

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced.