

**LH Series**

**+125/130°C, High Temperature (耐高温品)**

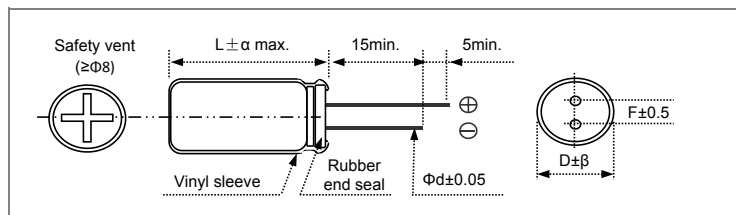
**FEATURES 特点**

- 1、Wide operating temperature range, it sa long load life product at 125/130°C.
- 2、Suitable for use in DC or pulse in various electronic and industrial.

**SPECIFICATIONS 规格表**

Item 项目	Performance Characteristics 特性参数								
Operation Temperature Range 工作温度范围	-55 to +125/130°C								
Rated Working Voltage Range 额定电压范围	6.3 to 100V								
Nominal Capacitance Range 静电容量范围	1 to 3900µF								
Capacitance Tolerance 静电容量允许偏差	±20%(120Hz, +20°C)								
Leakage Current 漏电流	LC≤0.03CV or 4(µA) Whichever is greater measured after 2 minutes application of rated working voltage at +20 °C 施加额定工作电压充电2分钟后读数，二者取大值。 [C：静电容量(uF)，V：额定电压(V)]								
Dissipaom Factor (tan δ) 损失角正切值 (120Hz, +20°C)	Working Voltage(v)	6.3	10	16	25	35	50	63、80	100
	tan δ(max)	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.10
	For capacitance value >1000µF, add 0.02 per another 1000µF 标称容量值超过1000uF，则每增加1000uF，损失角正切值增加0.02								
Low Temperature characteristics 温度特性(阻抗比)	Impedance ratio max. at 120 Hz 阻抗比最大值								
	Working Voltage(V)	6.3	10	16	25	35	50	63	100
	Z(-25°C)/ Z(+20°C)	5	3	2	2	2	2	2	2
	Z(-40°C)/ Z(+20°C)	9	6	4	4	4	4	4	4
High Temperature Loading (Endurance) 高温负荷寿命(耐久性)	Test conditions 试验条件				Post test requirements at +20°C 试验后特性应满足如下要求				
	Duration 持续时间	2,000~3,000 hours			Leakage current 漏电流	≤Initial specified value 初始规格值			
	Ambient temp. 环境温度	+125/130°C			Cap. Change 静电容量变化率	within ±30% of initial measured value 初始测试值的±30%内			
	Applied voltage 施加电压	DC voltage with maximum permissible ripple current specified at +125/130°C 施加直流电压与额定纹波电流(所加电压峰值[DC+AC]不超过额定工作电压)			D.F.(tan δ) 损失角正切值	≤300% of initial specified value 3倍初始规格值			
					Before test requirement: Resumed 16 hours at normal temperature 测试前将电容在常温中放置16小时				
Shelf Life 高温储存寿命	Test conditions 试验条件				Post test requirements at +20°C 试验后特性应满足如下要求				
	Duration 持续时间	1,000 hours			Leakage current 漏电流	≤Initial specified value 初始规格值			
	Ambient temp. 环境温度	+105°C			Cap. Change 静电容量变化率	within ±30% of initial measured value 初始测试值的±30%内			
	Applied voltage 施加电压	(None) 无			D.F.(tan δ) 损失角正切值	≤300% of initial specified value 3倍初始规格值			
					* (Before the measurements, the capacitor shall be pretreated by applying DC working voltage for 30min, after discharged and then stored under standard atmospheric conditions for 24-48 hours) 测试前应将电容在常温中施加工作电压30分钟，放电后在标准气压下放置24~48小时				
Other 其他	JIS C-5101 (IEC 60384)								

**CASE SIZE TABLE 尺寸图 (Unit : mm)**



ΦD	5	6.3	8	10	13	≥16
F	2.0	2.5	3.5	5.0	5.0	7.5
Φd	0.5	0.5	0.5 or 0.6	0.6	0.6	0.8
α	(L < 20) 1.5		(L ≥ 20) 2.0			
β	(D < 20) 0.5		(D ≥ 20) 1.0			

**Multiplier for Ripple Current vs. Frequency 纹波电流频率修正系数**

Frequency Coefficient 频率系数

Cap(µF)	50 Hz	120 Hz	300 Hz	1k Hz	100k Hz
≤47	0.35	1.00	1.35	1.57	2.00
100~470	0.50	1.00	1.23	1.34	1.50
≥560	0.85	1.00	1.10	1.13	1.15

**LH Series**

**+125/130°C, High Temperature (耐高温品)**

**STANDARD RATINGS 标准品一览表**

Voltage(Code)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1E)		50V(1H)		63V(1J)		80V(1K)		100V(2A)					
Cap.(μF)	Code	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C	Case Size	R.C				
1	001											5×11	9										
2.2	2P2											5×11	14										
3.3	3P3											5×11	21										
4.7	4P7											5×11	26										
6.8	6P8											5×11	33										
10	010											5×11	38										
22	022									5×11	47	5×11	55										
33	033							5×11	53	5×11	56	6.3×12	81										
47	047					5×11	56	5×11	59	6.3×12	84	6.3×12	93					8×14	100				
68	068							6.3×12	75					8×12	110			10×16	130				
100	101			5×11	74	5×11	88	6.3×12	111	8×12	118	8×12	130	10×16	180			10×17	150				
																8×14	160						
																10×13	170						
120	121													8×16	180			10×20	210				
150	151															10×20	190						
220	221			6.3×12	135	6.3×12	149	8×12	200	8×14	210							13×21	250				
				8×12	145					10×13	240												
330	331			8×12	167	8×14	221	8×16	238	10×13	250			13×21	260								
470	471							10×16	366														
680	681	8×12	100							10×20	300												
1000	102					10×20	300	13×21	575	13×21	590												
1500	152					10×25	330																
2200	222							13×25	908					18×40	550								
3300	332	10×20	270																				
3900	392							16×30	1356														

Maximum Allowable Ripple Current (mA rms) at 125/130°C 120 Hz

Case Size ΦD x L(mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately