

系列：LHK

产品特点

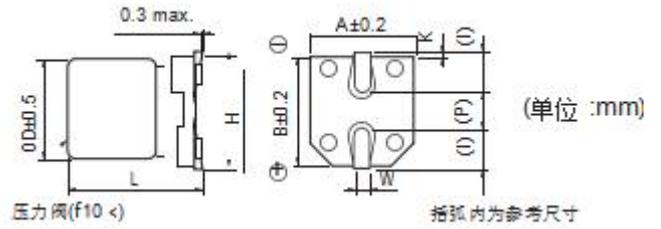
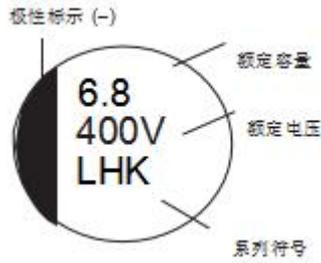
- 高温无铅回流焊产品
- 工作温度范围宽
- 适用于再流焊
- 适用于高密度表面组装
- 中高压, 长寿命
- 符合 RoHS 标准

项目 Items	特性 Characteristics					
工作温度范围 Operating Temperature Range	-40°C ~ +105°C					
额定电压范围 Rated Voltage Range	160V ~ 450V					
标称电容量范围 Nominal Capacitance Range	1.8 ~ 33 μF					
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)					
漏电流 Leakage Current	$CV \leq 1000 (160 \sim 400V) I \leq 0.1C_r U_r + 40 (\mu A)$, $CV \geq 1000 (160 \sim 400V) I \leq 0.04C_r U_r + 100 \mu A$ 取较大者 (2 分钟) C_r : 标称电容量 (μF) U_r : 额定电压 (V) Whichever is greater (at 20°C, After 2 minutes) C_r : Nominal Capacitance (μF) U_r : Rated voltages (V)					
损耗角正切 (tg δ) Dissipation Factor (Max) 20°C, 120Hz	U_r (V)	160	200	250	400	450
	tg δ	0.20	0.20	0.25	0.25	0.30
耐久性 Load Life	+105°C 施加额定电压条件, 电容器应满足以下要求: $\Phi D=8$ 为 8000 小时; $\Phi D=10$ 为 10000 小时 $\Phi D=8:8000H$; $\Phi D=10:10000H$; application of rated voltage at 105 °C, the capacitor shall meet the following requirement:					
	电容量变化率 Capacitance Change	±30% 初始值以内 Within ±30% of the initial value				
	损耗角正切 Dissipation Factor	≤ 300% 初始规定值 Not more than 300% of the initial specified value				
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value				
高温贮存 Shelf Life	+105°C 贮存 1000 小时后, 电容器应满足以上耐久性要求 After storage for 1000 hours at +105°C, the capacitors shall meet the requirement of load life above					
低温特性 Low Temperature Stability 阻抗比 Impedance Ratio (120Hz)	U_r (V)	160	200	250	400	450
	$Z(-25^\circ C)/Z(+20^\circ C)$	3	3	5	5	5
	$Z(-40^\circ C)/Z(+20^\circ C)$	6	6	10	10	15
耐焊接热 Resistance to Soldering Heat	在 250°C 的条件下, 电容器在热板上保持 30 秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement.					
	电容量变化率 Capacitance Change	±10% 初始值以内 Within ±10% of the initial value				
	损耗角正切 (tg δ) Dissipation Factor	≤ 初始规定值 Not more than the initial specified value				
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value				
AEC-Q200	符合 AEC-Q200					

标示

外观尺寸

例: 400V.DC 6.8uF LHK系列



φD	L	A, B	H.	I	W	P	K
8	10.5±0.5	8.3	10	3.4	0.8~1.1	3.1	0.70±0.20
10	10.5±0.5	10.3	12	3.5	0.8~1.1	4.5	0.70±0.20
10	12.5±0.5	10.3	12	3.5	0.8~1.1	4.5	0.70±0.20

特性一览表 1

额定电压 (V. DC)	静电容量 (±20%) (uF)	产品尺寸(mm)		电气特性		料号	最小包装 数量 (PCS)
		φD	L	额定纹波电流 (120HZ) (+105°C)	tan δ (120HZ) (+20°C)		
160	15	8	10.5	50	0.20	LHK2C150MF10500LP0	500
	22	10	10.5	65	0.20	LHK2C220MG10500LP0	500
	33	10	12.5	70	0.20	LHK2C330MG12500LP0	400
200	12	8	10.5	50	0.20	LHK2D120MF10500LP0	500
	18	10	10.5	65	0.20	LHK2D180MG10500LP0	500
	27	10	12.5	70	0.20	LHK2D270MG12500LP0	400
250	8.2	8	10.5	35	0.25	LHK2E8R2MF10500LP0	500
	15	10	10.5	50	0.25	LHK2E150MG10500LP0	500
	18	10	12.5	55	0.25	LHK2E180MG12500LP0	400
400	3.9	8	10.5	35	0.25	LHK2G3R9MF10500LP0	500
	6.8	10	10.5	50	0.25	LHK2G6R8MG10500LP0	500
	10	10	12.5	55	0.25	LHK2G100MG12500LP0	400
450	1.8	8	10.5	25	0.30	LHK2W1R8MF10500LP0	500
	3.3	10	10.5	40	0.30	LHK2W3R3MG10500LP0	500
	4.7	10	12.5	45	0.30	LHK2W4R7MG12500LP0	400

Frequency coefficient of ripple current

Frequency	50Hz	120Hz	300HZ	1KHz	≥ 10KHz
Coefficient	0.80	1.00	1.25	1.40	1.60