

系列：LHO

产品特点

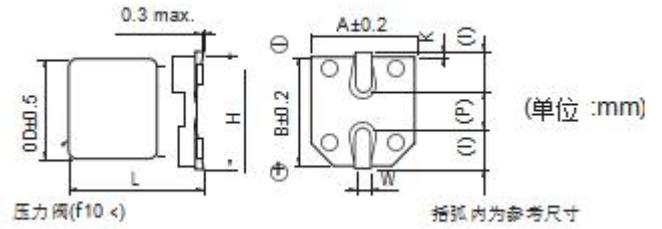
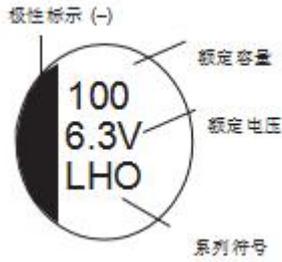
- 高温无铅回流焊产品
- 保证时间：105℃ 1000 小时
- 制品高度 3.95mm 之小型贴片型电容
- 适用于表面黏着之高密度 PCB 设计
- 符合 RoHS 标准

项目 Items	特性 Characteristics								
工作温度范围 Operating Temperature Range	-40℃ ~ +105℃								
额定电压范围 Rated Voltage Range	4V ~ 50V								
标称电容量范围 Nominal Capacitance Range	1 ~ 220 μF								
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20℃, 120Hz)								
漏电流 Leakage Current	I ≤ 0.01C _r U _r or 3(μA), 取较大者 (2 分钟) C _r : 标称电容量 (μF) U _r : 额定电压 (V) I ≤ 0.01C _r U _r or 3(μA) Whichever is greater (at 20℃, after 2 minutes) C _r : Nominal Capacitance (μF) U _r : Rated voltages (V)								
损耗角正切 (tg δ) Dissipation Factor (Max) 20℃, 120Hz	U _r (V)	4	6.3	10	16	25	35	50	
	tg δ	0.50	0.30	0.24	0.19	0.16	0.14	0.14	
耐久性 Load Life	+105℃ 施加额定电压 1000 小时后, 电容器应满足以下要求: After 21000 hours application of rated voltage at 105℃, the capacitor shall meet the following requirement:								
	规定时间 Specified time	Φ D=4*3.95~6.3*3.95 1000 小时 1000Hrs for Φ D=4*3.95~6.3*3.95							
	电容量变化率 Capacitance Change	4~50V: ±30% 初始值以内) (4~50: 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℃ 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℃, 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)	4	6.3	10	16	25	35	50	
	Z(-25℃)/Z(+20℃)	7	4	3	2	2	2	2	
	Z(-40℃)/Z(+20℃)	15	8	8	4	4	3	3	
耐焊接热 Resistance to Soldering Heat	在 250℃ 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℃ 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：6.3V.DC 100uF LHO系列



φD	L	A, B	H.	I	W	P	K
4	3.95±0.3	4.3	5.5	1.8	0.5~0.8	1.0	0.35 + 0.15/0.20
5	3.95±0.3	5.3	6.5	2.1	0.5~0.8	1.5	
6.3	3.95±0.3	6.6	7.8	2.4	0.5~0.8	2.0	

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℃)	tan δ (120HZ) (+20℃)		
4	33	4	3.95	28	0.50	LH00Q330MB39500LP0	2000
	47	4	3.95	33	0.50	LH00Q470MB39500LP0	2000
	100	5	3.95	56	0.50	LH00Q101MC39500LP0	1000
	220	6.3	3.95	96	0.50	LH00Q221MC39500LP0	1000
6.3	22	4	3.95	28	0.30	LH00J220MB39500LP0	2000
	33	5	3.95	37	0.30	LH00J330MC39500LP0	1000
	47	5	3.95	45	0.30	LH00J470MC39500LP0	1000
	100	6.3	3.95	70	0.30	LH00J101ME39500LP0	1000
10	22	5	3.95	33	0.24	LH01A220MC39500LP0	1000
	33	5	3.95	41	0.24	LH01A330MC39500LP0	1000
	47	6.3	3.95	52	0.24	LH01A470ME39500LP0	1000
16	10	4	3.95	23	0.19	LH01C100MB39500LP0	2000
	22	5	3.95	37	0.19	LH01C220MC39500LP0	1000
	33	6.3	3.95	49	0.19	LH01C330ME39500LP0	1000
	47	6.3	3.95	58	0.19	LH01C470ME39500LP0	1000
25	4.7	4	3.95	16	0.16	LH01E4R7MB39500LP0	2000
	10	5	3.95	27	0.16	LH01E100MC39500LP0	1000
	22	6.3	3.95	42	0.16	LH01E220ME39500LP0	1000
	33	6.3	3.95	52	0.16	LH01E330ME39500LP0	1000
35	4.7	4	3.95	18	0.14	LH01V4R7MB39500LP0	2000
	10	5	3.95	29	0.14	LH01V100MC39500LP0	1000
	22	6.3	3.95	46	0.14	LH01V220ME39500LP0	1000
50	1	4	3.95	8.4	0.14	LH01H1R0MB39500LP0	2000
	2.2	4	3.95	13	0.14	LH01H2R2MB39500LP0	2000
	3.3	4	3.95	17	0.14	LH01H3R3MB39500LP0	2000
	4.7	5	3.95	20	0.14	LH01H4R7MC39500LP0	1000
	10	6.3	3.95	33	0.14	LH01H100ME39500LP0	1000

■ Frequency coefficient of ripple current

Frequency 频率	50Hz	120Hz	300Hz	1KHZ	10KHz~
Coefficient 系数	0.70	1.00	1.17	1.36	1.50