

系列：LHC

产品特点

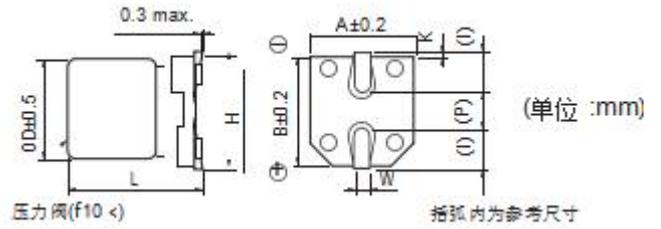
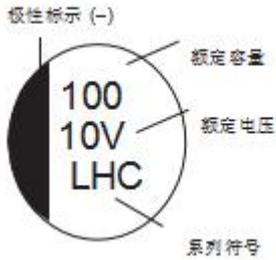
- 高温无铅回流焊产品
- 保证时间：105℃ 2000 小时
- Large Capacitance with ultra low impedance capacitors
- Designed for surface mounfing on high density PC board
- 符合 RoHS 标准

项目 Items	特性 Characteristics					
工作温度范围 Operating Temperature Range	-55℃ ~+105℃					
额定电压范围 Rated Voltage Range	6.3V ~ 35V					
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)	6.3	10	16	25	35
	tg δ	0.22	0.19	0.16	0.14	0.12
量大于 1000uF 者, 每增加 1000uF, 其损耗角正切值增加 0.02, When nominal capacitance exceeds 1000uF, add 0.02 to the value above for each 1000uF increase						
耐久性 Load Life	+105℃施加额定电压条件, 电容器应满足 2000 小时 application of rated voltage at 105℃, the capacitor shall meet the following requirement 2000 HRS					
	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℃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)	6.3	10	16	25	35
	Z(-25℃)/Z(+20℃)	2	2	2	2	2
	Z(-55℃)/Z(+20℃)	4	4	3	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：10V.DC 100uF LHC系列



φ D	L	A, B	H.	I	W	P	K
4	5.7±0.3	4.3	5.5	1.8	0.5~0.8	1.0	0.35+0.15/-0.20
5	5.7±0.3	5.3	6.5	2.1	0.5~0.8	1.3	
6.3	5.7±0.3	6.6	7.8	2.4	0.5~0.8	2.2	
6.3	7.7±0.3	6.6	7.8	2.4	0.5~0.8	2.2	

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)
		φ D	L	额定纹波电 流 (100KHZ)	tan δ (120HZ) (+20℃)	Impedance (100KHZ) (+20℃)		
6.3	22	4	5.7	50	0.22	5.0	LHC0J220MB05400LP0	2000
	33	5	5.7	80	0.22	2.6	LHC0J330MC05400LP0	1000
	47	5	5.7	80	0.22	2.6	LHC0J470MC05400LP0	1000
	68	6.3	5.7	115	0.22	1.3	LHC0J680ME05400LP0	1000
	100	6.3	5.7	115	0.22	1.3	LHC0J101ME05400LP0	1000
	150	6.3	7.7	150	0.22	0.8	LHC0J151ME07700LP0	1000
	220	6.3	7.7	150	0.22	0.8	LHC0J221ME07700LP0	1000
10	22	5	5.7	80	0.19	2.6	LHC1A220MC05400LP0	1000
	33	5	5.7	80	0.19	2.6	LHC1A330MC05400LP0	1000
	47	6.3	5.7	115	0.19	1.3	LHC1A470ME05400LP0	1000
	68	6.3	5.7	115	0.19	1.3	LHC1A680ME05400LP0	1000
	100	6.3	7.7	150	0.19	0.8	LHC1A101ME07700LP0	1000
	150	6.3	7.7	150	0.19	0.8	LHC1A151ME07700LP0	1000
16	10	4	5.7	50	0.16	5.0	LHC1C100MB05400LP0	2000
	15	5	5.7	80	0.16	2.6	LHC1C150MC05400LP0	1000
	22	5	5.7	80	0.16	2.6	LHC1C220MC05400LP0	1000
	33	6.3	5.7	115	0.16	1.3	LHC1C330ME05400LP0	1000
	47	6.3	5.7	115	0.16	1.3	LHC1C470ME05400LP0	1000
	68	6.3	7.7	150	0.16	0.8	LHC1C680ME07700LP0	1000
	100	6.3	7.7	150	0.16	0.8	LHC1C101ME07700LP0	1000

特性一览表 2

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 (100KHZ)	tan δ (120HZ) (+20℃)	Impedance (100KHZ) (+20℃)		
25	4.7	4	5.7	50	0.14	5.0	LHC1E4R7MB05400LP0	2000
	6.8	4	5.7	50	0.14	5.0	LHC1E6R8MB05400LP0	2000
	10	5	5.7	80	0.14	2.6	LHC1E100MC05400LP0	1000
	15	6.3	5.7	115	0.14	1.3	LHC1E150ME05400LP0	1000
	22	6.3	5.7	115	0.14	1.3	LHC1E220ME05400LP0	1000
	33	6.3	5.7	115	0.14	1.3	LHC1E330ME05400LP0	1000
	47	6.3	7.7	150	0.14	0.8	LHC1E470ME07700LP0	1000
35	68	6.3	7.7	150	0.14	0.8	LHC1E680ME07700LP0	1000
	1	4	5.7	50	0.12	5.0	LHC1V1R0MB05400LP0	2000
	1.5	4	5.7	50	0.12	5.0	LHC1V1R5MB05400LP0	2000
	2.2	4	5.7	50	0.12	5.0	LHC1V2R2MB05400LP0	2000
	3.3	4	5.7	50	0.12	5.0	LHC1V3R3MB05400LP0	2000
	4.7	4	5.7	50	0.12	5.0	LHC1V4R7MB05400LP0	2000
	6.8	5	5.7	80	0.12	2.6	LHC1V6R8MC05400LP0	1000
	10	5	5.7	80	0.12	2.6	LHC1V100MC05400LP0	1000
	15	6.3	5.7	115	0.12	1.3	LHC1V150ME05400LP0	1000
	22	6.3	5.7	115	0.12	1.3	LHC1V220ME05400LP0	1000
33	6.3	7.7	150	0.12	0.8	LHC1V330ME07700LP0	1000	
47	6.3	7.7	150	0.12	0.8	LHC1V470ME07700LP0	1000	

■ Frequency coefficient of ripple current

Frequency	50, 60Hz	120Hz	1KHz	10K~100KHz
Coefficient	0.60	0.70	0.85	1.0