

系列：LHS

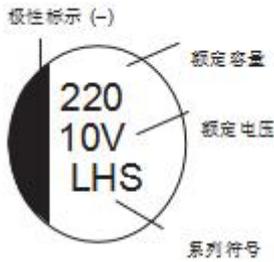
产品特点

- 高温无铅回流焊产品
- 保证时间 :105℃ 2000 小时
- Low impedance 30-50% less than LHZ series
- Designed for surface mounfing on high density PC board
- 符合 RoHS 标准

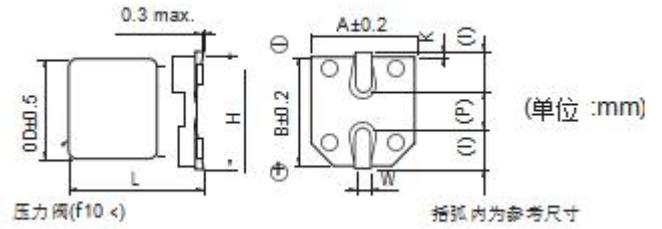
项目 Items	特性 Characteristics					
工作温度范围 Operating Temperature Range	-55℃ ~+105℃					
额定电压范围 Rated Voltage Range	6.3V ~ 35V					
标称电容量范围 Nominal Capacitance Range	22 ~ 1500 μF					
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20℃, 120Hz)					
漏电流 Leakage Current	I≤0.01C _r U _r or 3(μA), 取较大者 (2 分钟) 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	0.28	0.24	0.20	0.16	0.14
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℃)	4	3	2	2	2
	Z(-55℃)/Z(+20℃)	8	5	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

例: 10V.DC 220uF LHS系列



外观尺寸



φD	L	A, B	H.	I	W	P	K
4	5.8±0.3	4.3	5.5	1.8	0.5~0.8	1.0	0.35 + 0.15/0.20
5	5.8±0.3	5.3	6.5	2.1	0.5~0.8	1.3	
6.3	5.8±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	
8	10.5±0.5	8.3	10	3.4	0.8~1.1	3.1	0.70±0.20
8	12.5±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		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℃)		
6.3	47	5	5.8	240	0.30	0.36	LHS0J470MC05800LP0	1000
	100	5	5.8	240	0.30	0.36	LHS0J101MC05800LP0	1000
	100	6.3	5.8	300	0.30	0.26	LHS0J101ME05800LP0	1000
	220	6.3	5.8	300	0.30	0.26	LHS0J221ME05800LP0	1000
	470	8	10.5	850	0.30	0.08	LHS0J471MF10500LP0	500
	680	8	10.5	850	0.30	0.08	LHS0J681MF10500LP0	500
	1500	10	10.5	1190	0.30	0.06	LHS0J152MG10500LP0	500
10	33	5	5.8	240	0.26	0.36	LHS1A330MC05800LP0	1000
	100	5	5.8	240	0.26	0.36	LHS1A101MC05800LP0	1000
	150	6.3	5.8	300	0.26	0.26	LHS1A151ME05800LP0	1000
	220	6.3	5.8	300	0.26	0.26	LHS1A221ME05800LP0	1000
	330	8	10.5	850	0.26	0.08	LHS1A331MF10500LP0	500
	470	8	10.5	850	0.26	0.08	LHS1A471MF10500LP0	500
	680	8	10.5	850	0.26	0.08	LHS1A681MF10500LP0	500
	1000	10	10.5	1190	0.26	0.08	LHS1A102MG10500LP0	500
16	22	5	5.8	240	0.22	0.36	LHS1C220MC05800LP0	1000
	47	5	5.8	240	0.22	0.36	LHS1C470MC05800LP0	1000
	47	6.3	5.8	300	0.22	0.26	LHS1C470ME05800LP0	1000
	68	6.3	5.8	300	0.22	0.26	LHS1C680ME05800LP0	1000
	100	6.3	5.8	300	0.22	0.26	LHS1C101ME05800LP0	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)
		φ D	L	额定纹波电流 (100KHZ) (+105℃)	tan δ (120HZ) (+20℃)	Impedance (100KHZ) (+20℃)		
16	220	8	10.5	850	0.22	0.08	LHS1C221MF10500LP0	500
	330	8	10.5	850	0.22	0.08	LHS1C331MF10500LP0	500
	470	8	10.5	850	0.22	0.08	LHS1C471MF10500LP0	500
	680	10	10.5	1190	0.22	0.08	LHS1C681MG10500LP0	500
	1000	10	10.5	1190	0.22	0.08	LHS1C102MG10500LP0	500
25	22	5	5.8	240	0.16	0.36	LHS1E220MC05800LP0	1000
	33	5	5.8	240	0.16	0.36	LHS1E330MC05800LP0	1000
	33	6.3	5.8	300	0.16	0.26	LHS1E330ME05800LP0	1000
	47	6.3	5.8	300	0.16	0.26	LHS1E470ME05800LP0	1000
	68	6.3	5.8	300	0.16	0.26	LHS1E680ME05800LP0	1000
	100	6.3	5.8	300	0.16	0.26	LHS1E101ME05800LP0	1000
	150	8	10.5	850	0.16	0.08	LHS1E151MF10500LP0	500
	220	8	10.5	850	0.16	0.08	LHS1E221MF10500LP0	500
35	470	10	10.5	1190	0.16	0.08	LHS1E471MG10500LP0	500
	22	5	5.8	240	0.13	0.36	LHS1V220MB05800LP0	1000
	33	5	5.8	240	0.13	0.36	LHS1V330MB05800LP0	1000
	33	6.3	5.8	300	0.13	0.26	LHS1V330ME05800LP0	1000
	47	6.3	5.8	300	0.13	0.26	LHS1V470ME05800LP0	1000
	100	8	10.5	850	0.13	0.08	LHS1V101MF10500LP0	500
	150	8	10.5	850	0.13	0.08	LHS1V151MF10500LP0	500
330	10	10.5	1190	0.13	0.08	LHS1V331MG10500LP0	500	

■ Frequency coefficient of ripple current

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