

系列：LSS

产品特点

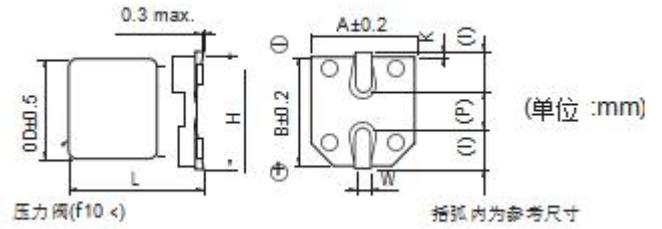
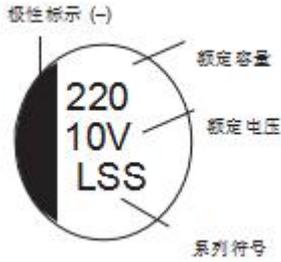
- 高温无铅回流焊产品
- 保证时间 :85℃ 2000 小时
- Low Leakage Current Lead free reflow soldering is available
- Designed for surface mounting on high density PC board
- 符合 RoHS 标准

项目 Items	特性 Characteristics						
工作温度范围 Operating Temperature Range	-40℃ ~+85℃						
额定电压范围 Rated Voltage Range	10V ~ 50V						
标称电容量范围 Nominal Capacitance Range	1 ~ 150μF						
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20℃, 120Hz)						
漏电流 Leakage Current	I ≤ 0.002C _R U _R or 0.5(μA), 取较大者 (2 分钟) C _R : 标称电容量 (μF) U _R : 额定电压 (V) I ≤ 0.002C _R U _R or 0.5(μA) Whichever is greater(at 20℃, after 2 minutes) C _R : Nominal Capacitance (μF) U _R : Rated voltages (V)						
损耗角正切 (tgδ) Dissipation Factor (Max) 20℃, 120Hz	U _R (V)	6.3	10	16	25	35	50
	tgδ	0.28	0.24	0.20	0.14	0.12	0.10
耐久性 Load Life	+85℃施加额定电压 2000 小时后, 电容器应满足以下要求: After 2000 hours application of rated voltage at 85℃, the capacitor shall meet the following requirement:						
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value					
	损耗角正切 Dissipation Factor	≤ 200%初始规定值 Not more than 200% 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	+85℃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 +85℃, 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	50
	Z(-25℃)/Z(+20℃)	3	3	2	2	2	2
	Z(-40℃)/Z(+20℃)	8	5	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 (tgδ) 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 220uF LSS系列



φD	L	A, B	H.	l	W	P	K
4	5.4±0.3	4.3	5.5	1.8	0.5~0.8	1.0	0.35 + 0.15/ - 0.20
5	5.4±0.3	5.3	6.5	2.1	0.5~0.8	1.3	
6.3	5.4±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)
		φD	L	额定纹波电流 (120Hz) (+85℃)	tan δ (120HZ) (+20℃)		
6.3	22	4	5.4	31	0.28	LSS0J220MB05400LP0	2000
	33	5	5.4	44	0.28	LSS0J330MC05400LP0	1000
	47	5	5.4	52	0.28	LSS0J470MC05400LP0	1000
	100	6.3	5.4	89	0.28	LSS0J101ME05400LP0	1000
	150	6.3	7.7	125	0.28	LSS0J151ME07700LP0	1000
10	10	4	5.4	23	0.24	LSS1A100MB05400LP0	2000
	22	5	5.4	39	0.24	LSS1A220MC05400LP0	1000
	33	5	5.4	48	0.24	LSS1A330MC05400LP0	1000
	47	6.3	5.4	67	0.24	LSS1A470ME05400LP0	1000
	100	6.3	5.4	98	0.24	LSS1A101ME05400LP0	1000
	150	6.3	7.7	135	0.24	LSS1A151ME07700LP0	1000
16	10	4	5.4	26	0.20	LSS1C100MB05400LP0	2000
	22	5	5.4	44	0.20	LSS1C220MC05400LP0	1000
	33	6.3	5.4	63	0.20	LSS1C330ME05400LP0	1000
	47	6.3	5.4	75	0.20	LSS1C470ME05400LP0	1000
	100	6.3	7.7	103	0.20	LSS1C101ME07700LP0	1000
25	4.7	4	5.4	19	0.14	LSS1E4R7MB05400LP0	2000
	10	5	5.4	32	0.14	LSS1E100MC05400LP0	1000
	22	6.3	5.4	55	0.14	LSS1E220ME05400LP0	1000
	33	6.3	5.4	67	0.14	LSS1E330ME05400LP0	1000
	47	6.3	5.4	79	0.14	LSS1E470ME05400LP0	1000
	100	6.3	7.7	105	0.14	LSS1E101ME07700LP0	1000

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 (120Hz) (+85℃)	tan δ (120HZ) (+20℃)		
35	4.7	4	5.4	20	0.12	LSS1V4R7MB05400LP0	2000
	10	5	5.4	34	0.12	LSS1V100MC05400LP0	1000
	22	6.3	5.4	59	0.12	LSS1V220ME05400LP0	1000
	33	6.3	5.4	71	0.12	LSS1V330ME05400LP0	1000
50	1	4	5.4	10	0.10	LSS1H1R0MB05400LP0	2000
	2.2	4	5.4	15	0.10	LSS1H2R2MB05400LP0	2000
	3.3	4	5.4	19	0.10	LSS1H3R3MB05400LP0	2000
	4.7	5	5.4	26	0.10	LSS1H4R7MC05400LP0	1000
	10	6.3	5.4	44	0.10	LSS1H100ME05400LP0	1000
	22	6.3	5.4	56	0.10	LSS1H220ME05400LP0	1000

特性一览表 2

■ Frequency coefficient of ripple current

Frequency 频率	50Hz	120Hz	1KHZ	≦ 10KHZ
Coefficient 系数	0.70	1.00	1.30	1.40