

LHG 系列



产品特点

- 高温无铅回流焊产品
- 保证时间：105 °C 2000 小时
- 符合 RoHS 标准

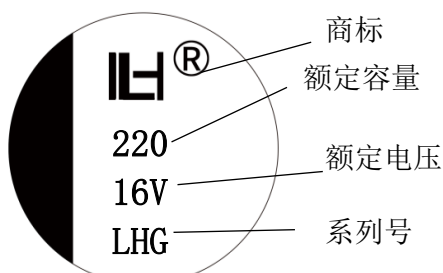
项目	特性											
工作温度范围	-55°C ~ +105°C											
额定电压范围	4V ~ 120V											
静电容量范围	1 ~ 8200 μF											
静电容量允许偏差	±20% (20°C, 120Hz)											
漏电流	(μA), 取较大者 (2 分钟) CR: 标称容量 (μF) UR: 额定电压 (V)											
损耗角正切 (tg δ) 20°C, 120Hz	U _r (V)	4	6.3	10	16	25	35	50	63	80	100	120
	tg δ	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.12	0.12	0.12
容量大于 1000uF 者, 每增加 1000uF, 其损耗角正切值增加 0.02												
耐久性	在+105°C条件下, 对电容器施加额定工作电压 2000 小时后, 电容器应满足以下要求											
	容量变化率	D≥8mm: ±20%初始值以内, D≤6.3mm: ±25%初始值以内										
	损耗角正切	D≥8mm: 200%初始规定值, D≤6.3mm: 300%初始规定值										
	漏电流	≤ 初始规定值										
高温贮存	在+105°C的情况下连续 1000 小时后, 电容器应满足以上耐久性要求											
低温特性	U _r (V)	4	6.3	10	16	25	35	50	63	80	100	120
	Z(-25°C)/Z(+20°C)	5	5	4	3	2	2	2	2	2	3	3
	Z(-55°C)/Z(+20°C)	12	12	8	6	4	4	4	4	4	4	4
耐焊接热	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											
	容量变化率	±10%初始值以内										
	损耗角正切 (tg δ)	≤ 初始规定值										
	漏电流	≤ 初始规定值										

纹波电流频率系数

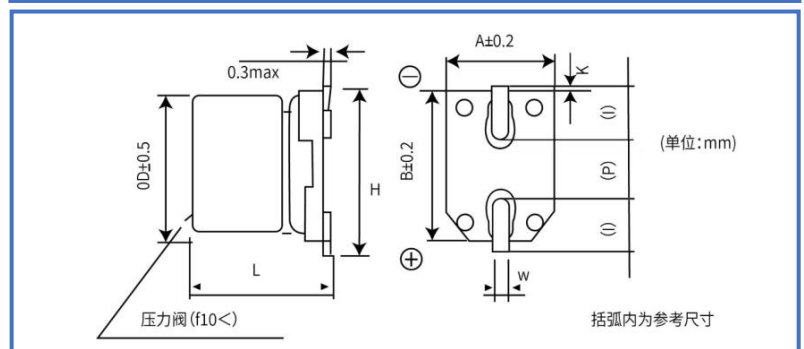
频率	50Hz	120Hz	1KHz	10K~100KHz
系数	0.80	1.00	1.25	1.40

标 示

例: 16V 220uF LHG 系列



外观尺寸



φ D	L	A, B	H	I	W	P	K
4	5.7±0.3	4.3	5.1	1.8	0.5~0.8	1.0	0.35 + 0.15 /- 0.20
5		5.3	5.9	2.1		1.3	
6.3	7.7±0.3	6.6	7.2	2.4		2.2	
8	6.2±0.3	8.3	9.0	3.4	0.8~1.1	3.1	0.70±0.20
	10.5±0.5		9.0				
	12.5±0.5						
10	7.7±0.3	10.3	11.0	3.5	0.8~1.1	4.5	
	10.5±0.5				0.8~1.1		
	12.5±0.5						
12.5	13.5±0.5	13.5	13.7	4.7	1.1~1.4	4.4	
16	16.5±0.5	17	18.0	5.5		6.4	
	21.5±0.5						
18	16.5±0.5	19	20.0	6.7			
	21.5±0.5						

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 (120HZ/+105℃) (mA r. m. s)	tan δ (120HZ/+20℃)		
4	22	4	5.7	22	0.35	LHG0Q220MB05700LP0	2000
	33	5	5.7	30	0.35	LHG0Q330MC05700LP0	1000
	47	5	5.7	36	0.35	LHG0Q470MC05700LP0	1000
	100	6.3	5.7	60	0.35	LHG0Q101ME05700LP0	1000
	150	6.3	5.7	86	0.35	LHG0Q151ME05700LP0	1000
	220	6.3	7.7	102	0.35	LHG0Q221ME07700LP0	1000
	330	6.3	7.7	105	0.35	LHG0Q331ME07700LP0	1000
	470	8	10.5	210	0.35	LHG0Q471MF10500LP0	500
6.3	680	8	10.5	210	0.35	LHG0Q681MF10500LP0	500
	22	4	5.7	22	0.28	LHG0J220MB05700LP0	2000
	33	5	5.7	30	0.28	LHG0J330MC05700LP0	1000
	47	5	5.7	36	0.28	LHG0J470MC05700LP0	1000
	100	6.3	5.7	60	0.28	LHG0J101ME05700LP0	1000
	150	6.3	7.7	86	0.28	LHG0J151ME07700LP0	1000
	220	6.3	7.7	102	0.28	LHG0J221ME07700LP0	1000
	220	8	6.2	120	0.28	LHG0J221MF06200LP0	1000
	330	8	6.2	190	0.28	LHG0J331MF06200LP0	1000
	330	8	10.5	290	0.28	LHG0J331MF10500LP0	500
	470	8	10.5	340	0.28	LHG0J471MF10500LP0	500
	680	8	10.5	340	0.28	LHG0J681MF10500LP0	500
	1000	10	10.5	495	0.28	LHG0J102MG10500LP0	500
	2200	12.5	13.5	680	0.28	LHG0J222MI13500LP0	200
	3300	12.5	16.5	850	0.28	LHG0J332MI16500LP0	150
	4700	16	16.5	1000	0.28	LHG0J472MJ16500LP0	125
6800	18	16.5	1290	0.32	LHG0J682MK16500LP0	125	
8200	18	21.5	1450	0.34	LHG0J822MK21500LP0	75	
10	22	5	5.7	27	0.38	LHG1A220MC05700LP0	1000
	33	5	5.7	35	0.42	LHG1A330MC05700LP0	1000
	47	6.3	5.7	46	0.24	LHG1A470ME05700LP0	1000
	100	6.3	5.7	60	0.24	LHG1A101ME05700LP0	1000
	100	8	6.2	90	0.24	LHG1A101MF06200LP0	1000
	150	6.3	7.7	86	0.24	LHG1A151ME07700LP0	1000
	220	6.3	7.7	105	0.24	LHG1A221ME07700LP0	1000
	220	8	6.2	105	0.24	LHG1A221MF06200LP0	1000
330	8	10.5	290	0.24	LHG1A331MF10500LP0	500	

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 (120HZ/+105℃) (mA r. m. s)	tan δ (120HZ/+20℃)		
10	470	8	10.5	320	0.24	LHG1A471MF10500LP0	500
	470	10	7.7	320	0.24	LHG1A471MG07700LP0	500
	680	10	10.5	392	0.24	LHG1A681MG10500LP0	500
	1000	10	10.5	450	0.24	LHG1A102MG10500LP0	500
	2200	12.5	13.5	680	0.26	LHG1A222MI13500LP0	200
	3300	16	16.5	950	0.28	LHG1A332MJ16500LP0	125
	4700	16	16.5	1000	0.30	LHG1A472MJ16500LP0	125
	6800	18	16.5	1290	0.34	LHG1A682MK16500LP0	125
	8200	18	21.5	1450	0.38	LHG1A822MK21500LP0	75
16	10	4	5.7	18	0.20	LHG1C100MB05700LP0	2000
	22	5	5.7	30	0.20	LHG1C220MC05700LP0	1000
	33	6.3	5.7	40	0.20	LHG1C330ME05700LP0	1000
	47	6.3	5.7	50	0.20	LHG1C470ME05700LP0	1000
	100	6.3	5.7	60	0.20	LHG1C101ME05700LP0	1000
	100	8	6.2	125	0.20	LHG1C101MF06200LP0	1000
	150	6.3	7.7	95	0.20	LHG1C151ME07700LP0	1000
	220	6.3	7.7	105	0.20	LHG1C221ME10500LP0	1000
	330	8	10.5	290	0.20	LHG1C331MF10500LP0	500
	330	10	7.7	290	0.20	LHG1C331MG07700LP0	500
	470	8	10.5	320	0.20	LHG1C471MF10500LP0	500
	680	10	10.5	470	0.20	LHG1C681MG10500LP0	500
	1000	10	10.5	550	0.20	LHG1C102MG10500LP0	500
	2200	16	16.5	900	0.22	LHG1C222MJ16500LP0	125
	3300	16	16.5	950	0.24	LHG1C332MJ16500LP0	125
4700	18	16.5	1225	0.26	LHG1C472MK16500LP0	125	
25	10	4	5.7	13	0.16	LHG1E100MB05700LP0	2000
	22	5	5.7	23	0.16	LHG1E220MC05700LP0	1000
	33	6.3	5.7	38	0.16	LHG1E330ME05700LP0	1000
	47	6.3	5.7	48	0.16	LHG1E470ME05700LP0	1000
	47	8	6.2	79	0.16	LHG1E470MF06500LP0	1000
	100	6.3	7.7	100	0.16	LHG1E101ME07700LP0	1000
	100	8	6.2	145	0.16	LHG1E101MF06200LP0	1000
	150	6.3	7.7	91	0.16	LHG1E151ME07700LP0	1000
	220	8	10.5	240	0.16	LHG1E221MF10500LP0	500
	220	10	7.7	240	0.16	LHG1E221MG07700LP0	500
	330	8	10.5	320	0.16	LHG1E331MF10500LP0	500
	470	10	10.5	450	0.16	LHG1E471MG10500LP0	500
	680	10	10.5	490	0.16	LHG1E681MG10500LP0	500
	1000	12.5	16.5	550	0.16	LHG1E102MI16500LP0	150
	2200	16	16.5	900	0.18	LHG1E222MJ16500LP0	125
	3300	18	16.5	1150	0.20	LHG1E332MK16500LP0	125
4700	18	21.5	1300	0.22	LHG1E472MK21500LP0	75	
35	4.7	4	5.7	16	0.14	LHG1V4R7MB05700LP0	2000
	10	5	5.7	27	0.14	LHG1V100MC05700LP0	1000
	22	6.3	5.7	44	0.14	LHG1V220ME05700LP0	1000
	33	6.3	7.7	59	0.14	LHG1V330ME07700LP0	1000
	33	8	6.2	76	0.14	LHG1V330MF06500LP0	1000
	47	6.3	7.7	80	0.14	LHG1V470ME07700LP0	1000
	47	8	6.2	105	0.14	LHG1V470MF06200LP0	1000
	100	6.3	7.7	100	0.14	LHG1V101ME07700LP0	1000

特性一览表 3

额定电压 (V. DC)	静电容量 (±20%) (μ F)	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/+105℃) (mA r. m. s)	$\tan \delta$ (120HZ/+20℃)		
35	150	8	10.5	260	0.14	LHG1V151MF10500LP0	500
	150	10	7.7	260	0.14	LHG1V151MG07700LP0	500
	220	10	10.5	450	0.14	LHG1V221MG10500LP0	500
	330	10	10.5	450	0.14	LHG1V331MG10500LP0	500
	470	10	10.5	480	0.14	LHG1V471MG10500LP0	500
	680	12.5	13.5	600	0.14	LHG1V681MI13500LP0	200
	1000	16	16.5	800	0.14	LHG1V102MJ16500LP0	125
	2200	18	16.5	1050	0.16	LHG1V222MK16500LP0	125
50	1	4	5.7	6.3	0.12	LHG1H010MB05700LP0	2000
	2.2	4	5.7	11	0.12	LHG1H2R2MB05700LP0	2000
	3.3	4	5.7	14	0.12	LHG1H3R3MB05700LP0	2000
	4.7	5	5.7	19	0.12	LHG1H4R7MC05700LP0	1000
	10	6.3	5.7	30	0.12	LHG1H100ME05700LP0	1000
	22	6.3	7.7	51	0.12	LHG1H220ME07700LP0	1000
	22	8	6.2	67	0.12	LHG1H220MF06200LP0	1000
	33	6.3	7.7	60	0.12	LHG1H330ME07700LP0	1000
	47	6.3	7.7	63	0.12	LHG1H470ME07700LP0	1000
	100	8	10.5	230	0.12	LHG1H101MF10500LP0	500
	150	10	10.5	250	0.12	LHG1H151MG10500LP0	500
	220	10	10.5	375	0.12	LHG1H221MG10500LP0	500
	330	10	10.5	400	0.12	LHG1H331MG10500LP0	500
	470	12.5	13.5	490	0.12	LHG1H471MI13500LP0	200
	680	16	16.5	700	0.12	LHG1H681MJ16500LP0	125
1000	18	16.5	990	0.12	LHG1H102MK16500LP0	125	
63	0.1	4	5.7	1	0.12	LHG1J0R1MB05700LP0	2000
	0.22	4	5.7	2.3	0.12	LHG1JR22MB05700LP0	2000
	0.33	4	5.7	3.5	0.12	LHG1JR33MB05700LP0	2000
	0.47	4	5.7	5	0.12	LHG1JR47MB05700LP0	2000
	1	4	5.7	8	0.12	LHG1J010MB05700LP0	2000
	2.2	4	5.7	12	0.12	LHG1J2R2MB05700LP0	2000
	3.3	4	5.7	20	0.12	LHG1J3R3MB05700LP0	2000
	4.7	5	5.7	25	0.12	LHG1J4R7MC05700LP0	1000
	10	6.3	5.7	42	0.12	LHG1J100ME05700LP0	1000
	10	8	6.2	51	0.12	LHG1J220MF06500LP0	1000
	22	6.3	7.7	50	0.12	LHG1J220ME07700LP0	1000
	33	8	10.5	90	0.12	LHG1J330MF10500LP0	500
	47	8	10.5	100	0.12	LHG1J470MF10500LP0	500
	100	10	10.5	150	0.12	LHG1J101MG10500LP0	500
	150	10	10.5	170	0.12	LHG1J151MG10500LP0	500
	220	10	10.5	205	0.12	LHG1J221MG10500LP0	500
	220	12.5	13.5	250	0.12	LHG1J221MI13500LP0	200
	330	12.5	16.5	300	0.12	LHG1J331MI16500LP0	150
	470	16	16.5	450	0.12	LHG1J471MJ16500LP0	125
	680	18	16.5	600	0.12	LHG1J681MK16500LP0	125
1000	18	21.5	800	0.12	LHG1J102MK21500LP0	75	
80	22	8	10.5	100	0.12	LHG1K220MF10500LP0	500
	33	8	10.5	100	0.12	LHG1K330MF10500LP0	500
	47	10	10.5	150	0.12	LHG1K470MG10500LP0	500
	100	10	10.5	180	0.12	LHG1K101MG10500LP0	500

特性一览表 4

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/+105℃) (mA r. m. s)	tan δ (120HZ/+20℃)		
80	220	16	16.5	410	0.12	LHG1K221MJ16500LP0	125
	330	16	16.5	510	0.12	LHG1K331MJ16500LP0	125
	470	18	16.5	560	0.12	LHG1K471MK16500LP0	125
100	1	4	5.7	10	0.12	LHG2A010MB05700LP0	2000
	2.2	5	5.7	32	0.12	LHG2A2R2MC05700LP0	1000
	3.3	5	5.7	35	0.12	LHG2A3R3MB05700LP0	1000
	4.7	5	5.7	40	0.12	LHG2A4R7MB05700LP0	1000
	4.7	6.3	5.7	45	0.12	LHG2A4R7ME05700LP0	1000
	10	6.3	5.7	47	0.12	LHG2A100ME05700LP0	1000
	10	6.3	7.7	60	0.12	LHG2A100ME07700LP0	1000
	22	6.3	7.7	62	0.12	LHG2A220ME07700LP0	1000
	22	8	10.5	80	0.12	LHG2A220MF10500LP0	500
	33	8	10.5	90	0.12	LHG2A330MF10500LP0	500
	47	8	10.5	100	0.12	LHG2A470MF10500LP0	500
	47	10	10.5	130	0.12	LHG2A470MG10500LP0	500
	68	10	10.5	133	0.12	LHG2A680MG10500LP0	500
	100	12.5	13.5	220	0.12	LHG2A101MI13500LP0	200
	150	16	16.5	240	0.12	LHG2A151MJ16500LP0	125
	220	16	16.5	410	0.12	LHG2A221MJ16500LP0	125
330	18	16.5	520	0.12	LHG2A331MK16500LP0	125	
120	10	6.3	7.7	60	0.12	LHG2K100ME07700LP0	1000
	22	8	10.5	80	0.12	LHG2K220MF10500LP0	500