

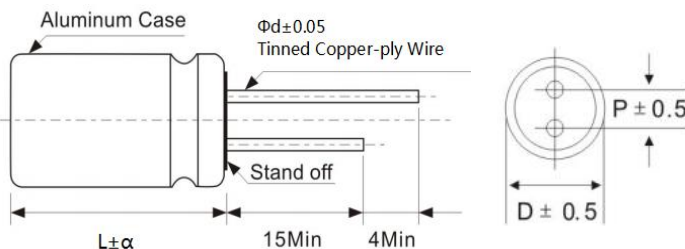
H2 Series

- Low ESR, high ripple current, high voltage
- Load life of 2000 hours at 105°C
- RoHS Compliant

◆ 规格表 Specifications

项目 Items	特性参数 Characteristics	
使用温度范围 Category Temperature Range	-55 ~ +105°C	
额定工作电压范围 Rated Voltage Range	35 ~ 100V	
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20°C, 120Hz)	
漏电流 Leakage Current	施加额定工作电压2分钟后读数, 小于或等于规格值 (at 20°C) I ≤ 0.1CV 或 299μA (取大值) Less than or equal to the specified value. After 2 minutes application of rated Voltage at 20°C	
损耗角正切值 tanδ Dissipation Factor	Rated voltage (V)	35~100
	tanδ (Max.)	0.12
温度特性 Low Temperature Characteristics (Max. Impedance Ratio)	Z(-25°C)/Z(+20°C)	≤ 1.25
	Z(-55°C)/Z(+20°C)	≤ 1.25
耐久性 Endurance	105°C 施加额定工作电压2000小时, 恢复到20°C后, 产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 2000 hours at 105°C.	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value
耐湿负荷特性 Damp Heat (Steady State)	在60°C 温度, 湿度90%~95%RH的环境中, 施加额定电压1000小时后, 恢复到20°C后, 产品性能应满足以下要求 The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 1000 hours at 60°C, 90%~95% RH.	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value
浪涌电压特性 (Surge Voltage)	浪涌电压=额定电压×1.15(V) Surge Voltage=Rated voltage × 1.15(V) 在105°C环境中, 按充电30秒; 放电5分30秒, 连续施加浪涌电压1000次(Rc=1kΩ), 待恢复后测试, 应满足以下要求 The capacitors shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105°C for 30 seconds through a protective resistor (Rc=1kΩ) and discharge for 5 minutes 30 seconds	
	Appearance	No significant damage
	Capacitance change	≤ ±20% of the initial value
	D.F.(tanδ)	≤ 150% of the specified value
	ESR	≤ 150% of the specified value
	Leakage current	≤ The specified value

◆ 外形图 Dimensions (mm)



ΦD	5	6.3	8	10
P	2.0	2.5	3.5	5.0
Φd	0.5	0.6	0.6	0.6

α	(L < 16)1.0
	(16 ≤ L < 22)1.5
	(L ≥ 22)2.0

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◆ 纹波电流修正系数 Rated Ripple Current Coefficient

频率Frequency(Hz)	120Hz \leq f < 1kHz	1kHz \leq f < 10kHz	10kHz \leq f < 100kHz	100kHz \leq f < 500kHz
系数 Coefficient	0.05	0.30	0.70	1.00

◆ 尺寸与个技术参数一览表 Standard Ratings

Rated voltage (V)	Rated capacitance (μ F)	Case size Φ D*L(mm)	ESR(m Ω) at 20 $^{\circ}$ C,100 KHz	Leakage Current (μ A)	Rated ripple current (mArms/105 $^{\circ}$ C/100kHz)	Catalog Part Number
35	10	5*8	120	299	1100	8100LEM0508H2RR000
	22	6.3*8	100	299	1350	8220LEMAA08H2RR000
	33	5*8	120	299	1100	8330LEM0508H2RR000
	39	6.3*8	90	299	1350	8390LEMAA08H2RR000
	39	8*9	60	299	1800	8390LEM0809H2RR000
	47	5*7	80	299	1350	8470LEM0507H2RR000
	47	6.3*8	60	299	1800	8470LEMAA08H2RR000
	56	6.3*8	80	299	1350	8560LEMAA08H2RR000
	56	8*9	60	299	1800	8560LEM0809H2RR000
	68	6.3*8	70	299	1500	8680LEMAA08H2RR000
	68	8*9	50	299	2000	8680LEM0809H2RR000
	82	6.3*11	60	299	1800	8820LEMAA11H2RR000
	82	8*9	40	299	2000	8820LEM0809H2RR000
	100	5*11	45	350	1800	8101LEM0511H2RR000
	100	6.3*8	40	350	2000	8101LEMAA08H2RR000
	150	6.3*12	35	525	2500	8151LEMAA12H2RR000
	220	8*9	35	770	2350	8221LEM0809H2RR000
	220	8*12	35	770	2500	8221LEM0812H2RR000
	220	10*12.5	30	770	2750	8221LEM10ABH2RR000
	330	10*12.5	30	1155	2900	8331LEM10ABH2RR000
470	10*13	30	1645	2900	8471LEM1013H2RR000	
50	10	5*8	120	299	550	8100LFM0508H2RR000
	15	6.3*8	100	299	800	8150LFMAA08H2RR000
	22	6.3*8	100	299	850	8220LFMAA08H2RR000
	33	8*9	50	299	1300	8330LFM0809H2RR000
	33	8*12	40	299	1500	8330LFM0812H2RR000
	39	8*9	50	299	1300	8390LFM0809H2RR000
	39	8*12	40	299	1500	8390LFM0812H2RR000
	47	8*12	40	299	1500	8470LFM0812H2RR000
	56	8*12	40	299	1500	8560LFM0812H2RR000
	82	10*12.5	35	410	2100	8820LFM10ABH2RR000
	100	10*12.5	35	500	2100	8101LFM10ABH2RR000
	220	10*12.5	35	1100	2500	8221LFM10ABH2RR000

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◆ 尺寸与个技术参数一览表 Standard Ratings

Rated voltage (V)	Rated capacitance (uF)	Case size $\Phi D \times L$ (mm)	ESR(m Ω) at 20 $^{\circ}$ C, 100 KHz	Leakage Current (μ A)	Rated ripple current (mA rms/105 $^{\circ}$ C/100kHz)	Catalog Part Number
63	10	5*8	120	299	500	8100LGM0508H2RR00O
	15	6.3*8	100	299	750	8150LGMAA08H2RR00O
	22	6.3*8	100	299	750	8220LGMAA08H2RR00O
	33	8*9	55	299	1100	8330LGM0809H2RR00O
	39	8*9	55	299	1100	8390LGM0809H2RR00O
	47	8*12	45	299	1300	8470LGM0812H2RR00O
	56	8*12	45	353	1300	8560LGM0812H2RR00O
	82	10*12.5	38	517	1800	8820LGM10ABH2RR00O
	100	10*12.5	38	630	1800	8101LGM10ABH2RR00O
80	10	6.3*8	120	299	550	8100LHMAA08H2RR00O
	15	6.3*8	120	299	550	8150LHMAA08H2RR00O
	22	8*9	80	299	1100	8220LHM0809H2RR00O
	22	8*12	60	299	1300	8220LHM0812H2RR00O
	33	10*12.5	45	299	1700	8330LHM10ABH2RR00O
	39	10*12.5	45	312	1700	8390LHM10ABH2RR00O
	47	10*12.5	45	376	1800	8470LHM10ABH2RR00O
	56	10*12.5	45	448	1800	8560LHM10ABH2RR00O
100	10	8*9	90	299	850	8100MAM0809H2RR00O
	15	8*12	70	299	1190	8150MAM0812H2RR00O
	22	10*12.5	60	299	1550	8220MAM10ABH2RR00O
	33	10*12.5	60	330	1550	8330MAM10ABH2RR00O

常规插件的固态电容是不适用于回流焊的，需需过回流焊工艺的即需要贴片的固态。

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