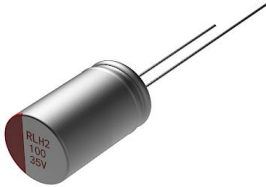


H2 Series

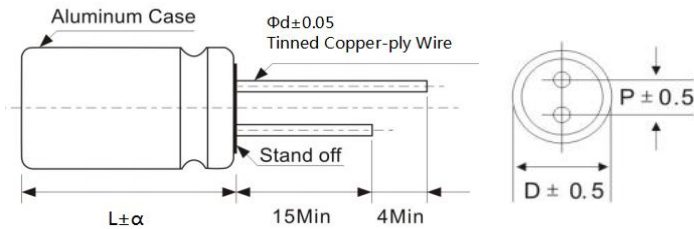
- 低阻抗,耐高纹波电流,高电压Low ESR, high ripple current, high voltage
- 耐久性: 105℃/2000小时Endurance:2000 hours at 105℃
- 通过RoHS认证RoHS compliant



规格表 Specifications

项目Items	特性参数Characteristics		
使用温度范围 Category temprture range	-55 ~ +105℃		
额定工作电压范围 Rated voltage range	35 ~ 160V		
静电容量允许偏差 Capacitance tolerance	±20%(M) (at 20℃,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℃) 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℃		
损耗角正切值tanδ Dissipation factor	Rated voltage (V)	35~160	(at 20℃,120Hz)
	tanδ (Max.)	0.12	
温度特性 Low temprture characteristics (Max.impedance ratio)	Z(-25℃)/Z(+20℃)	≦ 2.0	(100KHz)
	Z(-55℃)/Z(+20℃)	≦ 2.5	
耐久性 Endurance	105℃施加额定工作电压2000小时, 恢复到20℃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℃ after application of rated voltage for 2000 hours at 105℃.		
	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℃ 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℃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℃After application of rated voltage for 1000 hours at 60℃,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15℃~35℃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 15℃~35℃ 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	5.5	6.3	8	10
P	2.0	2.5	2.5	3.5	5.0
Φd	0.5	0.5	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 $\leq f < 1$ kHz	1kHz $\leq f < 10$ kHz	10kHz $\leq f < 100$ kHz	100kHz $\leq f < 500$ kHz
系数 Coefficient	0.05	0.30	0.7	1.00

◆ 尺寸与技术参数一览表Standard Ratings

Rated voltage (V)	Rated capacitance (μ F)	Case size $\Phi D \times L$ (mm)	ESR($m\Omega$) at 20°C, 100 KHz	Leakage Current (μ A)	Rated ripple current (mA _{rms} /105°C/100kHz)
35	10	5*8	120	299	1100
	22	5*8	120	299	1100
	33	5*8	120	299	1100
	47	5*6	120	299	950
		5*8	100	299	1100
		6.3*8	80	299	1350
	68	5*8	100	299	1100
		6.3*8	70	299	1700
	100	5*9	80	350	1400
		5*11	50	350	1500
		5.5*8	60	350	1500
		6.3*6	60	350	1500
		6.3*8	50	350	1700
		8*9	40	350	2400
	150	6.3*8	50	525	1700
	220	5.5*13	40	770	1900
		6.3*9	40	770	1900
		6.3*12	40	770	2100
		8*9	40	770	2500
		8*12	35	770	2900
	330	6.3*14	35	1155	2500
		8*12	35	1155	2900
		10*13	30	1155	3500
	470	6.3*16	35	1645	2900
		8*14	35	1645	3100
		10*13	30	1645	3500
	560	6.3*16	35	1960	2900
		8*14	35	1960	3200
		10*13	30	1960	3500
	680	6.3*18	35	2380	3200
		8*17	30	2380	3500
		10*13	30	2380	3700
		10*15	30	2380	3900

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◆ 尺寸与技术参数一览表Standard Ratings

Rated voltage (V)	Rated capacitance (uF)	Case size ΦD×L(mm)	ESR(mΩ) at 20°C, 100 KHz	Leakage Current (μA)	Rated ripple current (mArms/105°C/100kHz)
35	820	8*17	30	2870	3700
		10*15	30	2870	3900
		10*18	30	2870	4200
	1000	8*20	30	3500	3900
		10*18	30	3500	4200
	1200	10*18	30	4200	4200
	1500	10*18	30	5250	4500
50	4.7	5*8	150	299	550
	10	5*8	120	299	550
	22	5*8	120	299	550
		6.3*8	100	299	850
	33	6.3*8	100	299	850
	47	5*11	100	299	850
		6.3*8	80	299	900
	100	6.3*12	50	500	1150
		8*9	50	500	1150
		8*12	40	500	1550
	150	8*12	40	750	1550
		10*13	35	750	2400
	220	8*14	40	1100	2100
		10*13	35	1100	2450
	330	8*17	35	1650	2450
		10*13	35	1650	2500
		10*15	35	1650	2650
	470	10*18	30	1645	3100
	560	10*18	30	2800	3100
	680	10*20	30	3400	3500
63	10	5*8	120	299	500
	22	5*11	120	299	650
		6.3*8	100	299	750
	33	6.3*8	100	299	750
	47	6.3*12	70	299	950
		8*9	45	299	950
	100	8*12	40	630	1300
		10*13	35	630	2100
	220	8*17	35	1386	2200
		10*13	35	1386	2200
	330	10*18	35	2079	2900
	470	10*20	35	2961	3380

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◆ 尺寸与技术参数一览表Standard Ratings

Rated voltage (V)	Rated capacitance (uF)	Case size ΦD×L(mm)	ESR(mΩ) at 20°C, 100 KHz	Leakage Current (μA)	Rated ripple current (mArms/105°C/100kHz)
80	10	6.3*8	120	299	550
	22	8*9	60	299	1100
		8*12	60	299	1300
	33	8*9	60	299	1100
		10*13	45	299	1700
	47	8*12	60	376	1300
		10*13	45	376	1800
	82	10*13	45	656	1800
	100	10*13	45	800	1900
	150	10*18	40	1200	2350
	220	10*18	40	1760	2350
100	4.7	5*8	150	299	450
	10	6.3*8	120	299	550
	22	6.3*12	70	299	820
		8*9	60	299	850
	33	8*12	60	330	1190
	47	8*14	55	470	1300
		10*13	50	470	1550
	68	10*13	50	680	1600
	100	10*15	40	1000	1800
	150	10*18	40	1500	2100
160	4.7	8*9	350	299	550
	10	8*12	250	299	750
	15	8*12	250	299	750
		10*10	300	299	650
	18	10*13	200	299	950
	22	10*13	200	352	950
	33	10*15	150	528	1200
	47	10*18	100	752	1500