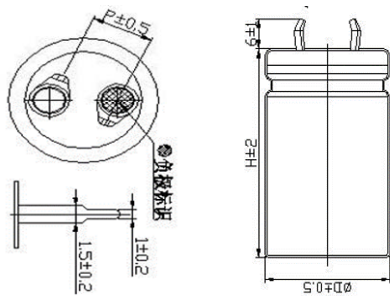
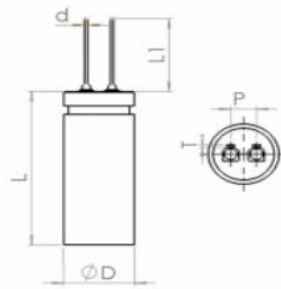


盖板型尺寸图示 Dimentions (mm)



$\Phi D \pm 1.0$	$P \pm 0.5$
22	10
25	10
30	10
35	10



$\Phi D \pm 1.0$	$P \pm 0.5$
22	10
25	10
30	10

产品规格 Specifications

项目 Item	性能 Performance	
工作电压 Working Voltage	2.7V. DC	3.0V. DC
浪涌电压 Surge Voltage	2.85V. DC	3.15V. DC
容量范围 Nominal Cap. Range	100 F to 500 F	100 F to 500 F
容量偏差 Capacitance Tolerance	-10%~+30%	-10%~+30%
工作温度 Operating Temperature	-40°C~+70°C	-40°C~+65°C



典型产品 Standard Products

产品编码 Part number	额定电压 Rated Voltage (V)	标称容量 Rated Cap. (F)	尺寸 Size $\Phi D \times L$ (mm)	最大内阻 Max. ESR		最大漏电流 Maximum Leakage Current (72hrs/mA)	额定电流 Rated current (A) ($\Delta T=15^\circ C$)	峰值电流 Peak Current (A)	功率密度 Power Density (kW/kg)	最大能量 Maximum Energy (mWh)	能量密度 Energy Density (mWh/kg)
				ESRAC (1kHz/mΩ)	ESRDC (mΩ)						
GDC02R7K107N2246RG	2.7	100	22x46	8	12	0.260	6.67	61.36	7.284	101.25	4.856
GDC02R7K127N2251RG	2.7	120	22x51	8	12	0.300	6.98	66.39	6.435	121.50	5.148
GDC02R7K127N2246RG	2.7	120	22x46	8	12	0.350	6.67	66.39	7.164	121.50	5.731
GDC02R7K157N2256RG	2.7	150	22x56	7	10	0.380	7.98	81.00	6.991	151.88	5.826
GDC02R7K157N2551RG	2.7	150	25x51	7	10	0.450	8.21	81.00	5.669	151.88	4.724
GDC02R7K227N2556RG	2.7	220	25x56	6	9	0.600	9.02	99.66	5.031	222.75	5.534
GDC02R7K257N3051RG	2.7	250	30x51	6	9	0.650	9.58	103.85	4.556	253.13	5.695
GDC02R7K337N3056RG	2.7	330	30x56	5	8	0.850	10.59	122.39	4.574	334.13	6.708
GDC02R7K367N3561RG	2.7	360	35x61	4	5.6	0.850	14.33	161.14	4.489	364.50	5.028
GDC02R7K477N3566RG	2.7	470	35x66	4	5.6	1.050	14.83	174.70	3.938	475.88	5.758
GDC02R7K477N3561RG	2.7	470	35x61	4	5.6	1.250	14.33	174.70	4.428	475.88	6.474
GDC02R7K507N3566RG	2.7	500	35x66	3.5	4.5	1.400	16.55	207.69	4.814	506.25	6.017

GDC03R0K107N2246RG	3.0	100	22x46	8	12	0.312	6.67	68.18	8.993	125.00	5.995
GDC03R0K127N2251RG	3.0	120	22x51	8	12	0.360	6.98	73.77	7.945	150.00	6.356
GDC03R0K127N2246RG	3.0	120	22x46	8	12	0.420	6.67	73.77	8.844	150.00	7.075
GDC03R0K157N2256RG	3.0	150	22x56	7	10	0.456	7.98	90.00	8.631	187.50	7.192
GDC03R0K157N2551RG	3.0	150	25x51	7	10	0.540	8.21	90.00	6.998	187.50	5.832
GDC03R0K227N2556RG	3.0	220	25x56	6	9	0.720	9.02	110.74	6.211	275.00	6.832
GDC03R0K257N3051RG	3.0	250	30x51	6	9	0.780	9.58	115.38	5.624	312.50	7.030
GDC03R0K337N3056RG	3.0	330	30x56	5	8	1.020	10.59	135.99	5.646	412.50	8.281
GDC03R0K367N3561RG	3.0	360	35x61	4	5.6	1.020	14.33	179.05	5.542	450.00	6.207
GDC03R0K477N3566RG	3.0	470	35x66	4	5.6	1.260	14.83	194.11	4.861	587.50	7.108
GDC03R0K477N3561RG	3.0	470	35x61	4	5.6	1.500	14.33	194.11	5.466	587.50	7.993
GDC03R0K507N3566RG	3.0	500	35x66	3.5	4.5	1.680	16.55	230.77	5.943	625.00	7.429

PS: 特殊规格可定制, 详情咨询!

>>> 产品可靠性测试项目及方法 Product reliability test

项目 Item	性能 Performance Characteristic		
温度特性 Temperature characteristics	温度temperature: TMin±2°C	70°C	-40°C
	测试时长 duration of storage:	16h	2h
	容量变化 Capacitance Change	≤ 初始值的30% ≤ 30% of initial value	≤ 初始值的30% ≤ 30% of initial value
	内阻变化 Internal Resistance	≤ 规定值 ≤ Regulated value	≤ 规定值的4倍 ≤ 4 times the specified value
	外观变化 Appearance	无显著变化 No remarkable change	无显著变化 No remarkable change
高温负荷寿命 High temperature load life	额定电压 nominal voltage	2.7V	3.0V
	温度temperature:	70°C	65°C
	测试时长duration of testing: 1,000h		
	容量变化 Capacitance Change	≤ 初始值的30% ≤ 30% of initial value	
	内阻变化 Internal Resistance	≤ 规定值的4倍 ≤ 4 times of specified value	
	外观变化 Appearance	无显著变化 No remarkable change	
高温存储 High temperature storage	温度temperature: 70°C 测试时长duration of testing: 1,000±4h		
	容量变化 Capacitance Change	≤ 初始值的30% ≤ 30% of initial value	
	内阻变化 Internal Resistance	≤ 规定值的2倍 ≤ 2 times of specified value	
	外观变化 Appearance	无显著变化 No remarkable change	
湿热特性 Humidity characteristic	电压voltage: 额定电压nominal voltage 温度temperature: 40±2°C 相对湿度relative humidity: 90%~95%RH 测试时长duration of testing: 240h		
	容量变化 Capacitance Change	≤ 初始值的30% ≤ 30% of initial value	
	内阻变化 Internal Resistance	≤ 规定值的4倍 ≤ 4 times of specified value	
	外观变化 Appearance	无显著变化 No remarkable change	
循环寿命 Cycle life characteristics	在25°C下, 用恒定电流使电容器在额定电压和半额定电压间循环充放电50万次。 Capacitors cycles between rated voltage and half rated voltage under constant current at +25°C (500,000cycles)		
	容量变化 Capacitance Change	≤ 初始值的30% ≤ 30% of initial value	
	内阻变化 Internal Resistance	≤ 规定值的4倍 ≤ 4 times of specified value	
	外观变化 Appearance	无显著变化 No remarkable change	