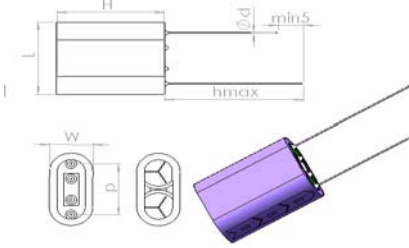
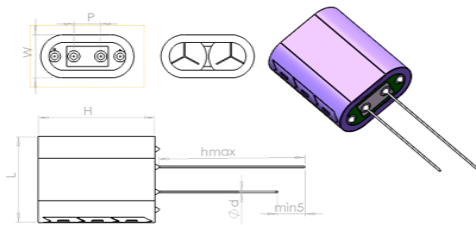


套管模组图示 Dimentions (mm)

规格	Φ8	Φ10	Φ12.5
L±1	16	20	25
W±1	8	10	12.5
H	H±1.5		
P±0.5	11.8	15.5	18

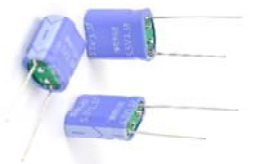


规格	Φ8	Φ10	Φ12.5
L±1	16	20	25
W±1	8	10	12.5
H	H±1.5		
P±0.5	5.0	5.0	7.5



产品规格 Specifications

项目 Item	性能 Performance	
封装方式	套管模组	套管模组
工作电压 Working Voltage	5.5V. DC	6.0V. DC
浪涌电压 Surge Voltage	5.7V. DC	6.15V. DC
容量范围 Nominal Cap. Range	0.47F to 10F	0.47F to 10F
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 L×ΦD×H (mm)	最大内阻 Max. ESR		最大漏电流 Maximum Leakage Current (72hrs/μA)	额定电流 Rated current (A)	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 (Wh/kg)
				ESRAC (1kHz/mΩ)	ESRDC (mΩ)						
GDW05R5S474L0812RD	5.5	0.47	16×8×14	400	800	0.008	0.24	0.94	4.16	1.97	0.87
GDW05R5K105L0812RD	5.5	1	16×8×14	340	680	0.010	0.48	1.64	4.54	4.20	1.71
GDW05R5K105L0816RD	5.5	1	16×8×18	260	520	0.010	0.50	1.81	5.07	4.20	1.46
GDW05R5K155L0820RD	5.5	1.5	16×8×22	230	460	0.014	0.72	2.44	4.77	6.30	1.83
GDW05R5K255L0825RD	5.5	2.5	16×8×27	170	340	0.016	1.18	3.72	5.47	10.50	2.58
GDW05R5R255L1020RD	5.5	2.5	20×10×22	140	280	0.016	1.21	4.04	5.31	10.50	2.06
GDW05R5K355L1020RD	5.5	3.5	20×10×22	140	280	0.020	1.61	4.86	5.13	14.70	2.79
GDW05R5K505L1025RD	5.5	5	20×10×27	120	240	0.030	2.22	6.25	5.23	21.01	3.48
GDW05R5R505L1220RD	5.5	5	25×12.5×22	100	200	0.030	2.29	6.88	4.82	21.01	2.68
GDW05R5K755L1225RD	5.5	7.5	25×12.5×27	90	180	0.045	3.25	8.78	4.50	31.51	3.37
GDW05R5K106L1230RD	5.5	10	25×12.5×32	80	160	0.060	4.17	10.58	4.32	42.01	3.84
GDW06R0S474L0812RD	6.0	0.47	16×8×14	400	800	0.010	0.26	1.02	4.96	2.35	1.04
GDW06R0K105L0812RD	6.0	1	16×8×14	340	680	0.012	0.53	1.79	5.40	5.00	2.04
GDW06R0K105L0816RD	6.0	1	16×8×18	260	520	0.012	0.54	1.97	6.03	5.00	1.74
GDW06R0K155L0820RD	6.0	1.5	16×8×22	230	460	0.017	0.79	2.66	5.67	7.50	2.17
GDW06R0K255L0825RD	6.0	2.5	16×8×27	170	340	0.019	1.28	4.05	6.50	12.50	3.07
GDW06R0R255L1020RD	6.0	2.5	20×10×22	140	280	0.019	1.32	4.41	6.31	12.50	2.46
GDW06R0K355L1020RD	6.0	3.5	20×10×22	140	280	0.024	1.76	5.30	6.10	17.50	3.32
GDW06R0K505L1025RD	6.0	5	20×10×27	120	240	0.036	2.42	6.82	6.22	25.00	4.15
GDW06R0R505L1220RD	6.0	5	25×12.5×22	100	200	0.036	2.50	7.50	5.74	25.00	3.19
GDW06R0K755L1225RD	6.0	7.5	25×12.5×27	90	180	0.054	3.54	9.57	5.35	37.50	4.01
GDW06R0K106L1230RD	6.0	10	25×12.5×32	80	160	0.072	4.55	11.54	5.14	50.00	4.57

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℃	70℃		‘-40℃
	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	5.5V	6.0V	5.0V
	温度temperature:	70℃	65℃	85℃
	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℃ 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 相对湿度relative humidity: 90%~95% 测试时长duration of testing: 240h 温度temperature: 40±2℃			
	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℃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℃ (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		