

特性 Features

- 高能量密度
(2倍于2.5V/2.7V 超级电容器)
 - 快速充电/放电
 - 符合RoHS无铅要求
- Higher energy density
(2 times of 2.5V/2.7V EDLC)
- Quick charge & discharge
- RoHS directive compliant



推荐应用领域 Recommended Applications

- 太阳能地砖灯
 - 再生能源储能系统
- Solar Brick Light
- Renewable Energy Storage Systems

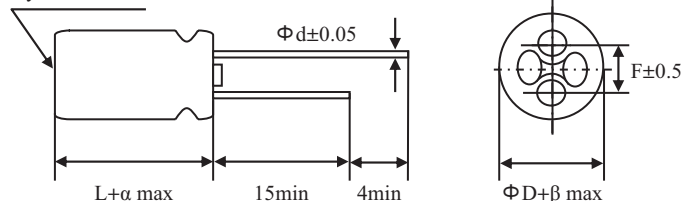
规格 Specifications

项目 Item		性能 Performance Characteristics	
温度 Temperature			
工作温度范围 Operating Temperature Range		-25°C to +70°C	
容量 Capacitance			
容量范围 Nominal Capacitance Range		10F to 800F	
容量公差 Capacitance Tolerance		±20% or -20%~+50%	
电压 Voltage			
额定电压 Rated Voltage		2.3 V.DC	
浪涌电压 Surge Voltage		2.5 V.DC	
最大工作电压 Maximum Operating Voltage		2.3 V.DC	
阻抗 Resistance			
直流等值阻抗 ESR, DC		参见附件电性能列表 Please see the attached characteristics list	
交流等值阻抗 ESR, AC		参见附件电性能列表 (1kHz/20°C) Please see the attached characteristics list (1kHz/20°C)	
寿命 Lifespan			
贮存寿命 Shelf Life		+70°C下无负荷贮存1,000小时后电容器符合规定的限值 After 1,000 hours storage at +70°C without load, the capacitor shall meet the specified limits for endurance.	
耐用性 Endurance		+70°C下采用额定电压1,000小时后电容器符合以下限定值 After 1,000 hours application of rated voltage at +70°C, the capacitor shall meet the following limits.	
		容量变化 Capacitance Change	初始测试值的±30% ±30% of initial measured value
		内阻 Internal Resistance	≤初始值的2倍 ≤2 times of initial specified value
循环次数 Cycles			
循环次数 Cycles		在+25°C下，用恒定电流使电容器在规定电压和半额定电压间循环充放电 (25,000次) Capacitors cycles between specified voltage and half rated voltage under constant current at +25°C (25,000 cycles)	
		容量变化 Capacitance Change	初始测试值的±30% ±30% of initial measured value
		内阻 Internal Resistance	≤初始值的2倍 ≤2 times of initial specified value

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Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.

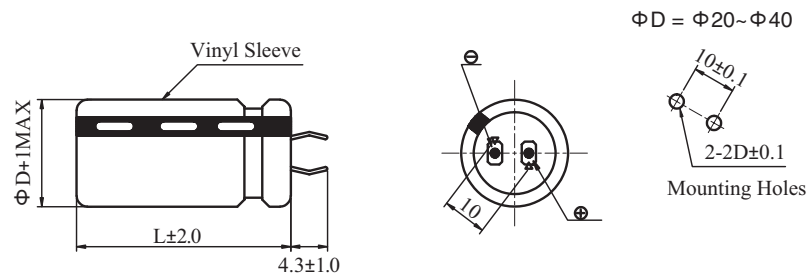
壳号尺寸表 Case Size Table

端子 Terminal: RR

Safety vent for $\Phi \geq 6.3$ 

ΦD	10	12.5	16	18	22
F	5.0	5.0	7.5	7.5	10.0
Φd	0.6	0.6	0.8	0.8	1.0
α	2.0				
β	(D<20)0.5 (D≥20)1.0				

端子 Terminal: SZ



Unit: mm

电性能列表 Characteristics List

产品编码 Part Number	额定电压 Rated Voltage (V.DC)	额定容量 Rated Cap. (F)	尺寸 Size 直径 x 长度 $\Phi D \times L$ (mm)	直流等值阻抗 ESR, DC (m Ω) (max)	交流等值阻抗 ESR, AC (m Ω) (max) at 1kHz/20°C	漏电流 Leakage Current (mA/72hrs)
DRC106S03G20RR	2.3	10	10 x 20	400	220	0.050
DRC226S03I20RR	2.3	22	12.5 x 20	170	120	0.065
DRC306S03I25RR	2.3	30	12.5 x 25	160	100	0.085
DRC506S03K25RR	2.3	50	16 x 25	100	60	0.110
DRC706S03K35RR	2.3	70	16 x 35	85	50	0.150
DRC127S03L40RR	2.3	120	18 x 40	65	35	0.400
DRC227S03N47RR	2.3	220	22 x 47	45	25	0.900
DRC407S03P45SZ	2.3	400	30 x 45	25	20	2.000
DRC607S03P60SZ	2.3	600	30 x 60	20	15	4.000
DRC807S03Q70SZ	2.3	800	35 x 70	15	10	7.200

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