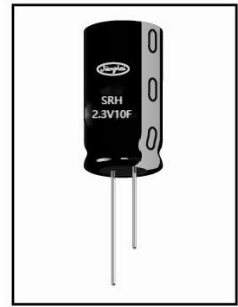




■ Typical application 典型应用

- **Intelligent instruments: electronic meter, water meter, gas meter, hot meter**  
智能仪表: 国网电表、水表、燃气表、热表
- **Communication terminal: RTU/DTU, DTU, FTU, fault current indicator**  
通讯终端: 智能测控终端、智能配电终端、智能馈线终端、故障指示器
- **Auto electronics: auto recorder, auto door control, audio control, auto diagnosis system, wireless charging**  
汽车电子: 汽车记录仪、汽车门控、音响控制、汽车诊断系统、无线充
- **Energy storage: server backup power, motor drive, brake, charging pile, security, fire protection**  
储能: 服务器备电、马达驱动、闸机、充电桩、安防、消防
- **Consumer: Toys, robots, smart home, medical devices**  
消费类: 玩具、机器人、智能家居、医疗器械



Items/项目	Characteristics/特性	
Rated Voltage/额定电压	2.3V	
Operating Temperature Range/工作温度范围	-40 ~ +105°C	
Surge Voltage/浪涌电压	2.45V (≤1s, 1次)	
Capacitance Range/容量范围	0.5 ~180 F	
Capacitance Tolerance /容差范围 (25°C)	M: -20~+20%, T: 0~+50%, Q -10~+30%	
Temperature Characteristics/温度特性	The specifications shall be met at category temperature of 105°C 在 105°C 时应满足的规范	Capacitance change/容量变化 Within 10% of the initial value at 25°C 在 25°C 时初始值的 10% 以内
	The specifications shall be met at category temperature of -40°C 在 -40°C 时应满足的规范	Capacitance change/容量变化 Within 30% of the initial value at 25°C 在 25°C 时初始值的 30% 以内
High Temperature Loaded/高温负荷	The specifications shall be met after 2.3V applied at 105°C for 1000 hours 在 105°C 时, 以 2.3V 恒压 1000h 后, 应满足的规范:	Capacitance change/容量变化 Within 30% of the initial specified value 在规格值的 30% 以内
		ESR <sub>AC</sub> change/交流内阻变化 Not more than 4 times of the initial specified value 不超过初始规定值的 4 倍
High Temperature Storage/高温储存	The specifications shall be met after storage at 105°C for 1000 hours 在 105°C 时, 不加电压储存 1000h 后, 应满足的规范:	Capacitance change/容量变化 Within 30% of the initial specified value 在规格值的 30% 以内
		ESR <sub>AC</sub> change/交流内阻变化 Not more than 4 times of the initial specified value 不超过初始规定值的 4 倍
Cycle Life/循环寿命	The specifications shall be met after 500,000 cycles at 25°C, cycle of charge/discharge from V <sub>R</sub> to 1/2V <sub>R</sub> 在 25°C 时, V <sub>R</sub> ~ 1/2V <sub>R</sub> 充放电循环 500,000 次后, 应满足的规范:	Capacitance change/容量变化 Within 30% of the initial specified value 在规格值的 30% 以内
		ESR <sub>AC</sub> change/交流内阻变化 Not more than 4 times of the initial specified value 不超过初始规定值的 4 倍

Dimensions 尺寸

mm

ΦD	5	6.3	8	10	12	12.5	16	18	22
F	2.0	2.6	3.5	5.0			7.5		10
Φd	0.5		0.6				0.8		1.0
α	1.5			2.0					3.5



Standard Ratings for SRH Series SRH 系列标准额定值

U <sub>R</sub> (Surge Voltage) Code 额定电压 (浪涌电压) 代码	Rated Cap. 25°C, /额定容量 ,25°C (* )	Impedance/内阻		峰值电流 Δt=1s	额定电流 Δt=5s	Leakage Current /漏电流 (72hrs)	Size/ 尺寸 ΦDxL	Weight/ 重量	P/N/产品代码
		ESR <sub>DC</sub> / 直流内阻	ESR <sub>AC</sub> / 交流内阻 (1KHz)						
(V)	(F)	(mΩ)	(mΩ)	(A)	(A)	(mA)	(mm)	(g)	-
2.3 (2.45) 2R3	0.5	1120	450	0.37	0.10	0.006	5 x 12	0.4	SCCDHR2R3504QRH050012E000
	1	895	350	0.61	0.20	0.010	8 x 14	1.0	SCCDHR2R3105QRH080014E000
	2	580	225	1.06	0.37	0.012	8 x 14	1.2	SCCDHR2R3205QRH080014E000
	3.3	500	200	1.43	0.57	0.016	8 x 20	1.5	SCCDHR2R3335QRH080020E000
	5	300	140	2.30	0.88	0.020	10 x 20	2.4	SCCDHR2R3505QRH100020E000
	10	190	75	3.97	1.67	0.045	12.5 x 20	3.6	SCCDHR2R3106QRH125020E000
	60	100	40	9.86	6.27	0.400	18 x 40	15.0	SCCDHR2R3606QRH180040E000
180	40	16	25.24	16.97	0.900	22 x 55	34.5	SCCDHR2R3187QRH220055E000	