

Typical application 典型应用

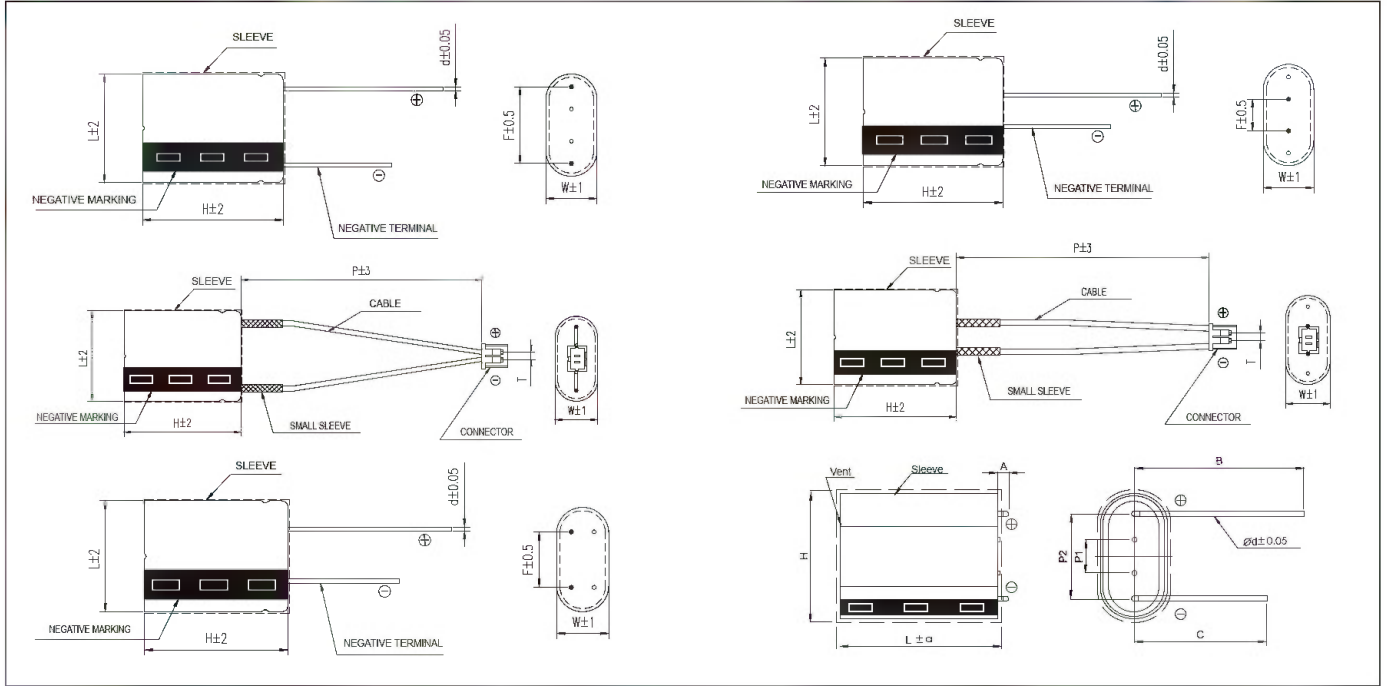
- Intelligent instruments: electronic meter, water meter, gas meter
智能仪表: 国网电表、水表、燃气表
- Communication terminal: RTU/DTU, DTU, FTU, fault current indicator
通讯终端: 智能测控终端、智能配电终端、智能馈线终端、故障指示器
- Auto electronics: auto recorder, auto door control, audio control, auto diagnosis system, wireless charging
汽车电子: 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	6 V		
Operating Temperature Rang 工作温度范围	-40~+65°C (-40~+85°C@5V)		
Surge Voltage 浪涌电压	6.4 V		
Capacitance Range 容量范围	0.5~50 F		
Capacitance Tolerance 容差范围(25°C)	-10~+30%		
Temperature Characteristics 温度特性	The specifications shall be met at category temperature range from -40°C to 65°C 在-40°C至65°C温度范围内, 应满足规范	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
		ESR _{AC} 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 Loaded 高温负荷	The specifications shall be met after rated voltage applied at 65°C for 1000 hours 在65°C温度下, 以额定电压恒压1000h后, 应满足规范	Capacitance change 容量变化	Within 30% of the initial value 在初始值的30%以内
		ESR _{AC} 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 高温存储	The specifications shall be met after storage at 65°C for 1000 hours 在65°C 温度下, 不加电压储存1000h后, 应满足规范	Capacitance change 容量变化	Within 30% of the initial value 在初始值的30%以内
		ESR _{AC} 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 _R to 1/2V _R 在25°C 温度下, V _R ~ 1/2V _R 充放电循环 500,000次后, 应满足规范	Capacitance change 容量变化	Within 30% of the initial value 在初始值的30%以内
		ESR _{AC} 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



Ratings for SRS Series SRS 系列额定值

U _s (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		Leakage Current 漏电流 (72hrs)	Size 尺寸 ΦD×L	Pin spacing 引脚间距	Wire diameter 引线直径	P/N 产品代码
		ESR _{DC} 直流内阻	ESR _{AC} 交流内阻 (1KHz)					
(V)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(mm)	(mm)	-
6.0 (6.4) 6R0	0.5	1600	800	0.01	8.5×17×16	12/5.0	0.6	SCMDSR6R0504QRH081716EIOHOP120A
	1	660	340	0.012	8.5×17×16	12/5.0	0.6	SCMDSR6R0105QRH081716EIOHOP120A
	1.5	420	220	0.014	8.5×17×22	12/5.0	0.6	SCMDSR6R0155QRH081722EIOHOP120A
	2.5	780	400	0.02	8.5×17×27	12/5.0	0.6	SCMDSR6R0255QRH081727EIOHOP120A
	2.5	340	180	0.02	11×21×22	15.5/5.5	0.6	SCMDSR6R0255QRH112122EIOHOP155A
	3.5	420	220	0.03	8.5×17×32	12/5.0	0.6	SCMDSR6R0355QRH081732EIOHOP120A
	3.5	340	180	0.03	11×21×22	15.5/5.5	0.6	SCMDSR6R0355QRH112122EIOHOP155A
	3.5	260	140	0.03	11×21×27	15.5/5.5	0.6	SCMDSR6R0355QRH112127EIOHOP155A
	5	380	200	0.045	11×21×27	15.5/5.5	0.6	SCMDSR6R0505QRH112127EIOHOP155A
	5	220	120	0.045	13×26×23	18/8	0.6	SCMDSR6R0505QRH132623EIOHOP180A
	5	220	120	0.045	11×21×33	15.5/5.5	0.6	SCMDSR6R0505QRH112133EIOHOP155A
	5	220	120	0.045	13×26×28	18/8	0.6	SCMDSR6R0505QRH132627EIOHOP180A
	7.5	160	90	0.055	13×26×28	18/8	0.6	SCMDSR6R0755QRH132627EIOHOP180A
	7.5	160	90	0.055	13×26×33	18/8	0.6	SCMDSR6R0755QRH132633EIOHOP180A
	10	132	76	0.055	17×33×24	24/9	0.8	SCMDSR6R0106QRH173324EIOHOP240A
	10	132	76	0.07	13×26×27	18/8	0.6	SCMDSR6R0106QRH132627EIOHOP180A
	10	132	76	0.07	13×26×33	18/8	0.6	SCMDSR6R0106QRH132633EIOHOP180A
	12.5	120	70	0.1	17×33×29	24/9	0.8	SCMDSR6R0126QRH173329EIOHOP240A
	15	120	70	0.12	17×33×35	24/9	0.8	SCMDSR6R0156QRH173335EIOHOP240A
	17.5	104	62	0.15	17×33×35	24/9	0.8	SCMDSR6R0176QRH173335EIOHOP240A
20	104	62	0.25	17×33×39	24/9	0.8	SCMDSR6R0206QRH173339EIOHOP240A	
25	100	60	0.35	18×37×43	26/11	0.8	SCMDSR6R0256QRH183743EIOHOP260A	
35	100	60	0.45	18×37×53	26/11	0.8	SCMDSR6R0356QRH183753EIOHOP260A	
50	92	56	0.55	18×37×63	26/11	0.8	SCMDSR6R0506QRH183761EIOHOP260A	