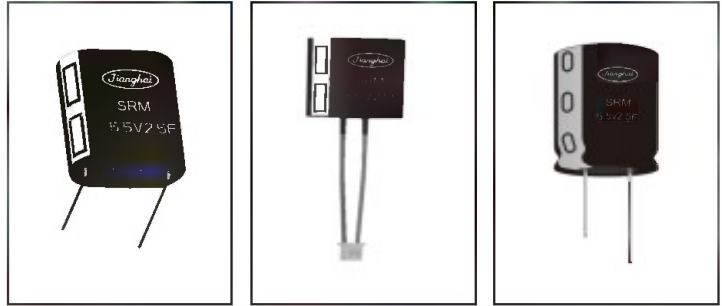


Typical application 典型应用

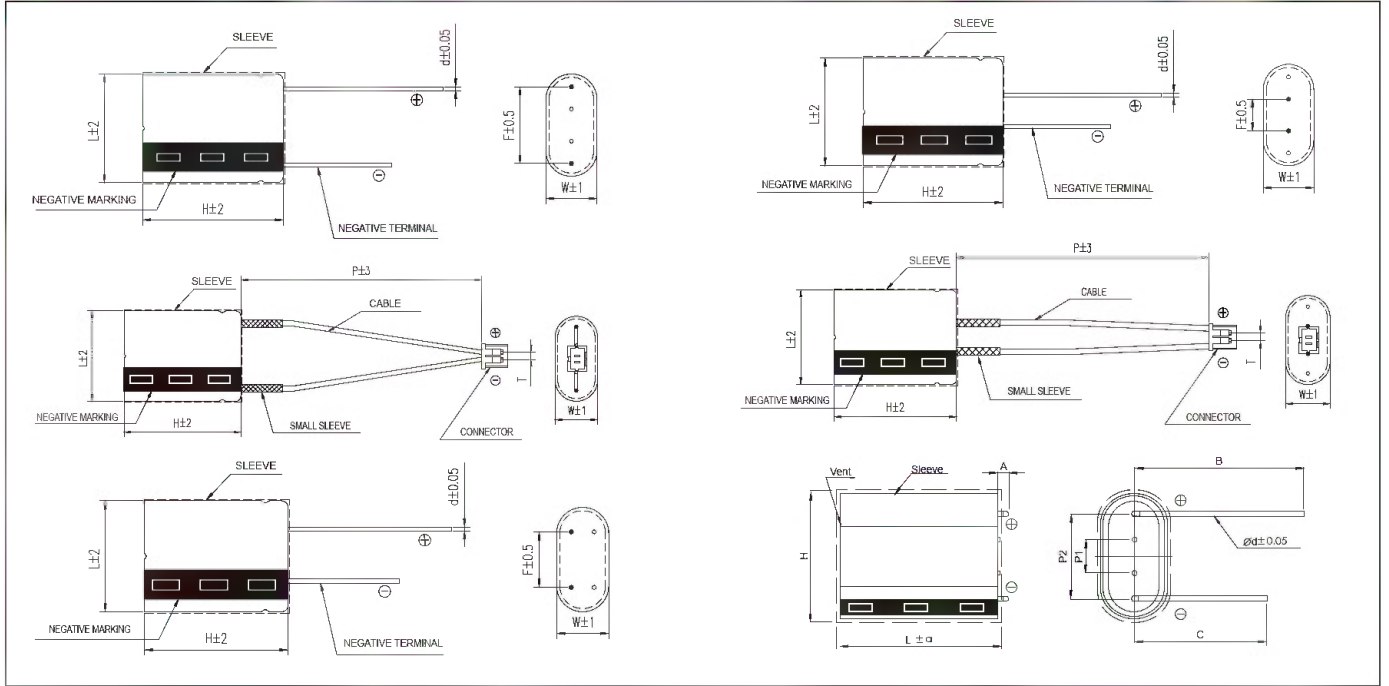
- Intelligent instruments: electronic meter, water meter, gas meter
智能仪表: 国网电表、水表、燃气表
- Communication terminal: RTU/DTU, DTU, FTU, fault current indicator
通讯终端: 智能测控终端、智能配电终端、智能馈线终端、故障指示器
- Auto electronics: auto recorder, auto door control, audio control, auto diagnosis system, wireless charging
汽车电子: 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	5.5 V		
Operating Temperature Rang 工作温度范围	-40~+70°C (-40~+85°C@4.6V)		
Surge Voltage 浪涌电压	5.7 V		
Capacitance Range 容量范围	0.22~50 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 70°C 在-40°C至70°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 70°C for 1000 hours 在70°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 70°C for 1000 hours 在70°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 2 times of the initial specified value 不超过初始规定值的2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 2 times of the initial specified value 不超过初始规定值的2倍

Dimensions 尺寸

mm



Ratings for SRM Series SRM 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)	-
5.5 (5.7) 5R5	0.22	1800	900	0.005	5.5×11×13	7.5/3.5	0.5	SCMDMR5R5224QRH051114E10HOP075A
	0.33	1400	700	0.006	6.5×13×14	8.8/4.2	0.5	SCMDMR5R53344QRH061314E10HOP088A
	0.5	820	420	0.008	8.5×17×16	12/5.0	0.6	SCMDMR5R5504QRH081716E10HOP120A
	1	500	260	0.01	8.5×17×16	12/5.0	0.6	SCMDMR5R5105QRH081716E10HOP120A
	1.5	380	200	0.012	8.5×17×22	12/5.0	0.6	SCMDMR5R5155QRH081722E10HOP120A
	2.5	380	200	0.016	8.5×17×27	12/5.0	0.6	SCMDMR5R5255QRH081727E10HOP120A
	2.5	260	140	0.016	11×21×22	15.5/5.5	0.6	SCMDMR5R5255QRH112122E10HOP155A
	3.5	340	180	0.02	8.5×17×32	12/5.0	0.6	SCMDMR5R5355QRH081732E10HOP120A
	3.5	280	150	0.02	11×21×22	15.5/5.5	0.6	SCMDMR5R5355QRH112122E10HOP155A
	3.5	240	130	0.02	11×21×27	15.5/5.5	0.6	SCMDMR5R5355QRH112127E10HOP155A
	5	200	110	0.03	11×21×27	15.5/5.5	0.6	SCMDMR5R5505QRH112127E10HOP155A
	5	180	100	0.03	13×26×23	18/8	0.6	SCMDMR5R5505QRH132623E10HOP180A
	5	180	100	0.03	11×21×33	15.5/5.5	0.6	SCMDMR5R5505QRH112133E10HOP155A
	5	180	100	0.03	13×26×28	18/8	0.6	SCMDMR5R5505QRH132627E10HOP180A
	7.5	140	80	0.045	13×26×28	18/8	0.6	SCMDMR5R5755QRH132627E10HOP180A
	7.5	140	80	0.045	13×26×33	18/8	0.6	SCMDMR5R5755QRH132633E10HOP180A
	10	120	70	0.06	17×33×24	24/9	0.8	SCMDMR5R5106QRH173324E10HOP240A
	10	120	70	0.06	17×33×29	24/9	0.8	SCMDMR5R5106QRH173329E10HOP240A
	10	140	80	0.06	13×26×33	18/8	0.6	SCMDMR5R5106QRH132633E10HOP180A
	12.5	108	64	0.08	17×33×29	24/9	0.8	SCMDMR5R5126QRH173329E10HOP240A
15	92	56	0.1	17×33×35	24/9	0.8	SCMDMR5R5156QRH173335E10HOP240A	
17.5	92	56	0.12	17×33×39	24/9	0.8	SCMDMR5R5176QRH173339E10HOP240A	
20	92	56	0.12	17×33×39	24/9	0.8	SCMDMR5R5206QRH173339E10HOP240A	
25	84	52	0.14	18×37×43	26/11	0.8	SCMDMR5R5256QRH183743E10HOP260A	
35	92	56	0.2	18×37×53	26/11	0.8	SCMDMR5R5356QRH183753E10HOP260A	
50	84	52	0.3	18×37×63	26/11	0.8	SCMDMR5R5506QRH183761E10HOP260A	