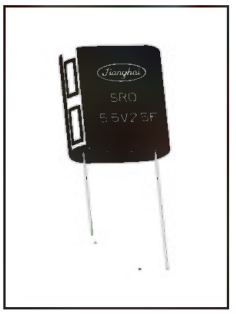
RADIAL EDLC MODULE: SRO SERIES 引线式EDLC 模组: SRO系列

■ Typical application 典型应用

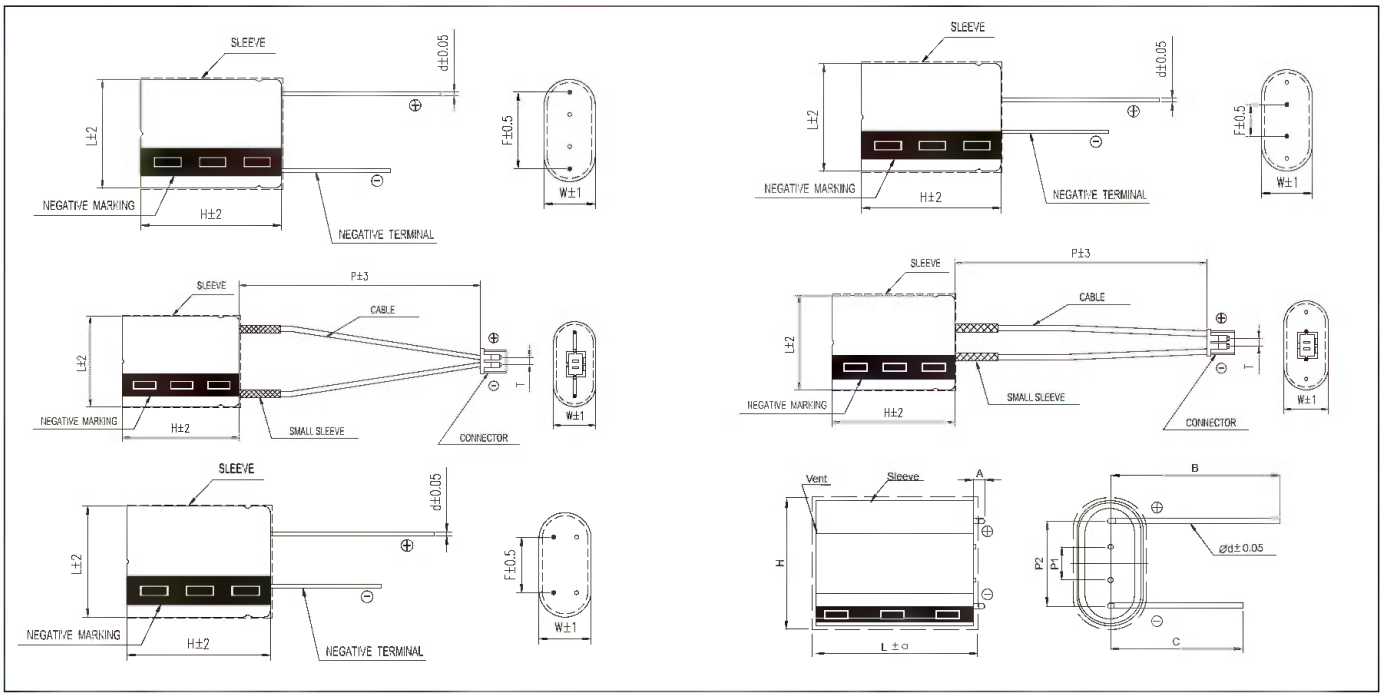
- Intelligent instruments: electronic meter, water meter, gas meter
  智能仪表：国网电表、水表、燃气表
- Communication terminal: RTU/DTU, DTU, FTU, fault current indicator
  通讯终端：智能测控终端、智能配电终端、智能馈线终端、故障指示器
- Auto electronics: auto recorder, auto door control,audio control, auto diagnosis system, wireless charging
  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~+85℃		
Surge Voltage 浪涌电压	5.7 V		
Capacitance Range 容量范围	0.5~25 F		
Capacitance Tolerance 容差范围(25℃)	-10~+30%		
Temperature Characteristics 温度特性	The specifications shall be met at category temperature range from -40℃ to 85℃ 在-40℃至85℃温度范围内，应满足规范	Capacitance change 容量变化	Within 30% of the initial value at 25℃ 在25℃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 5.0V applied at 85℃ for 1000 hours 在85℃ 温度下，以5.0V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 85℃ for 1000 hours 在85℃ 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℃ , cycle of charge/discharge from V_R to $1/2V_R$ 在25℃ 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 SRO Series SRO 系列额定值

U_R (Surge Voltage) Code 额定电压 (浪涌电压) 代码	Rated Cap. 25℃ 额定容量 25℃ (*)	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	0.5	1600	800	0.01	8.5×17×16	12/5.0	0.6	SCMDOR5R5504QRH081716ET0H0P120A
	1	660	340	0.012	8.5×17×16	12/5.0	0.6	SCMDOR5R5105QRH081716ET0H0P120A
	1.5	420	220	0.014	8.5×17×22	12/5.0	0.6	SCMDOR5R5155QRH081722ET0H0P120A
	2.5	780	400	0.02	8.5×17×27	12/5.0	0.6	SCMDOR5R5255QRH081727ET0H0P120A
	2.5	340	180	0.02	11×21×22	15.5/5.5	0.6	SCMDOR5R5255QRH112122ET0H0P155A
	3.5	420	220	0.03	8.5×17×32	12/5.0	0.6	SCMDOR5R5355QRH081732ET0H0P120A
	3.5	340	180	0.03	11×21×22	15.5/5.5	0.6	SCMDOR5R5355QRH112122ET0H0P155A
	3.5	260	140	0.03	11×21×27	15.5/5.5	0.6	SCMDOR5R5355QRH112127ET0H0P155A
	5	380	200	0.045	11×21×27	15.5/5.5	0.6	SCMDOR5R5505QRH112127ET0H0P155A
	5	220	120	0.045	13×26×23	18/8	0.6	SCMDOR5R5505QRH132623ET0H0P180A
	5	220	120	0.045	11×21×33	15.5/5.5	0.6	SCMDOR5R5505QRH112133ET0H0P155A
	5	220	120	0.045	13×26×28	18/8	0.6	SCMDOR5R5505QRH132627ET0H0P180A
	7.5	160	90	0.055	13 x 26×28	18/8	0.6	SCMDOR5R5755QRH132627ET0H0P180A
	7.5	160	90	0.055	13×26×33	18/8	0.6	SCMDOR5R5755QRH132633ET0H0P180A
	10	132	76	0.055	17×33×24	24/9	0.8	SCMDOR5R5106QRH173324ET0H0P240A
	10	132	76	0.07	13×26×27	18/8	0.6	SCMDOR5R5106QRH132627ET0H0P180A
	10	132	76	0.07	13×26×33	18/8	0.6	SCMDOR5R5106QRH132633ET0H0P180A
	12.5	120	70	0.1	17×33×29	24/9	0.8	SCMDOR5R5126QRH173329ET0H0P240A
	15	120	70	0.12	17×33×35	24/9	0.8	SCMDOR5R5156QRH173335ET0H0P240A
	17.5	104	62	0.15	17×33×35	24/9	0.8	SCMDOR5R5176QRH173335ET0H0P240A
	20	104	62	0.25	17×33×39	24/9	0.8	SCMDOR5R5206QRH173339ET0H0P240A
	25	100	60	0.35	18×37×43	26/11	0.8	SCMDOR5R5256QRH183743ET0H0P260A