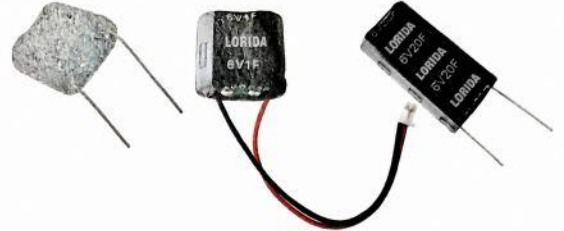


SRS Series

Radial EDLC Module 引线式EDLC 模组

Typical applications 典型应用

- Intelligent instruments: electronic, water, gas and heat meters
- Communication terminals: RTU/DTU, DTU, FTU, fault-current indicators
- Consumer products: toys, robots, smart-home and medical devices
- Auto electronics: recorders, door/audio controls, diagnosis systems, wireless charging
- Energy storage: server backup, motor drives, brake/charging piles, security, fire protection



Branding illustration / 品牌外观示意

Electrical characteristics 电气特性

Parameter / 项目	Specification / 规格
Rated voltage / 额定电压	6 V
Operating temperature / 工作温度	-40 to +65 °C (-40 to +85 °C at 5 V)
Surge voltage / 浪涌电压	6.4 V
Capacitance range / 容量范围	0.5-50 F
Capacitance tolerance at 25 °C / 容量偏差	-10% to +30%

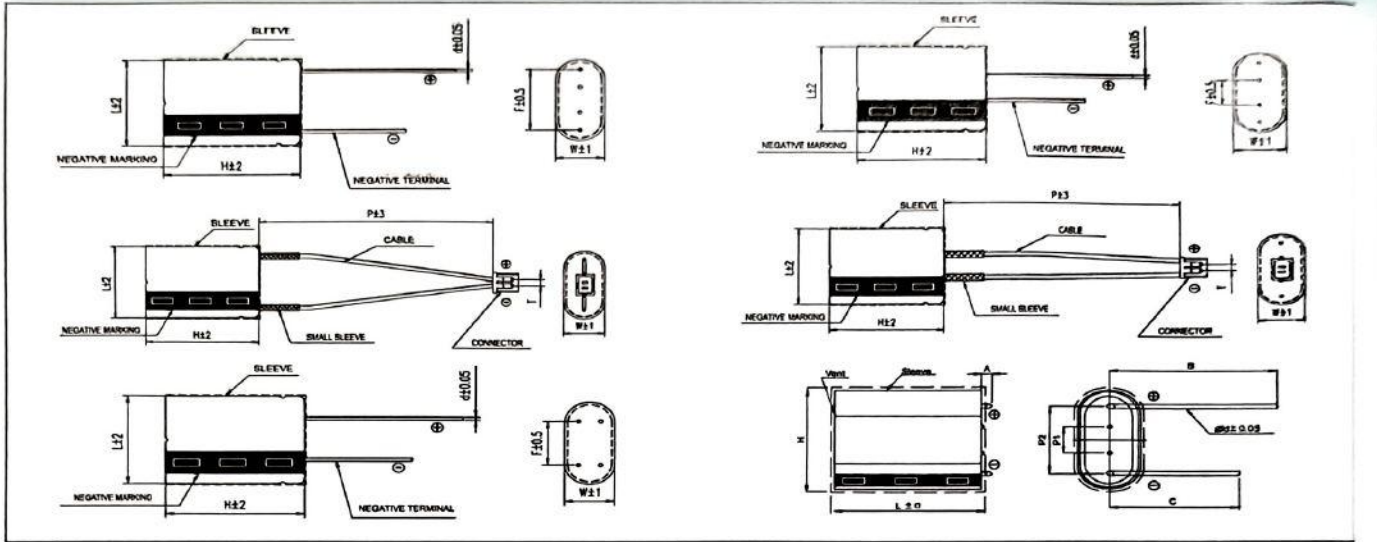
Reliability characteristics 可靠性特性

Test / 项目	Condition / 条件	Requirements / 要求
Temperature characteristics 温度特性	-40 to +65 °C -40 至 +65 °C	Capacitance change: within 30% of initial value at 25 °C ESR _{AC} : "4 × initial specified value 容量变化: 30% 以内; 内阻: ≤4 倍
High-temperature load 高温负荷	Rated voltage, 65 °C, 1,000 h 额定电压, 65 °C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : "4 × initial specified value 容量变化: 30% 以内; 内阻: ≤4 倍
High-temperature storage 高温存储	65 °C, 1,000 h 65 °C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : "4 × initial specified value 容量变化: 30% 以内; 内阻: ≤4 倍
Cycle life 循环寿命	500,000 cycles, 25 °C V _R to ½V _R 500,000 次充放电循环, 25 °C	Capacitance change: within 30% of initial value ESR _{AC} : "4 × initial specified value 容量变化: 30% 以内; 内阻: ≤4 倍

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Dimensions 外形尺寸



Dimensions in mm. Tolerances are shown in the drawing.

Ratings and part numbers 额定值与料号

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	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 x 17 x 16	12/5.0	0.6	SCMDSR6R0504QRH081716ET0H0P120A
	1	660	340	0.012	8.5 x 17 x 16	12/5.0	0.6	SCMDSR6R0105QRH081716ET0H0P120A
	1.5	340	180	0.014	8.5 x 17 x 22	12/5.0	0.6	SCMDSR6R0155QRH081722ET0H0P120A
	2.5	780	400	0.02	8.5 x 17 x 27	12/5.0	0.6	SCMDSR6R0255QRH081727ET0H0P120A
	2.5	340	180	0.02	11 x 21 x 22	15.5/5.5	0.6	SCMDSR6R0255QRH112122ET0H0P155A
	3.5	420	220	0.03	8.5 x 17 x 32	12/5.0	0.6	SCMDSR6R0355QRH081732ET0H0P120A
	3.5	340	180	0.03	11 x 21 x 22	15.5/5.5	0.6	SCMDSR6R0355QRH112122ET0H0P155A
	3.5	260	140	0.03	11 x 21 x 27	15.5/5.5	0.6	SCMDSR6R0355QRH112127ET0H0P155A
	5	380	200	0.045	11 x 21 x 27	15.5/5.5	0.6	SCMDSR6R0505QRH112127ET0H0P155A
	5	220	120	0.045	13 x 26 x 23	18/8	0.6	SCMDSR6R0505QRH132623ET0H0P180A
	5	220	120	0.045	11 x 21 x 33	15.5/5.5	0.6	SCMDSR6R0505QRH112133ET0H0P155A
	5	220	120	0.045	13 x 26 x 27	18/8	0.6	SCMDSR6R0505QRH132627ET0H0P180A
	7.5	160	90	0.055	13 x 26 x 27	18/8	0.6	SCMDSR6R0755QRH132627ET0H0P180A
	7.5	160	90	0.055	13 x 26 x 33	18/8	0.6	SCMDSR6R0755QRH132633ET0H0P180A
	10	132	76	0.055	17 x 33 x 24	24/9	0.8	SCMDSR6R0106QRH173324ET0H0P240A
	10	132	76	0.07	13 x 26 x 27	18/8	0.6	SCMDSR6R0106QRH132627ET0H0P180A
	10	132	76	0.07	13 x 26 x 33	18/8	0.6	SCMDSR6R0106QRH132633ET0H0P180A
	12.5	120	70	0.1	17 x 33 x 29	24/9	0.8	SCMDSR6R0126QRH173329ET0H0P240A
	15	120	70	0.12	17 x 33 x 35	24/9	0.8	SCMDSR6R0156QRH173335ET0H0P240A
	17.5	104	62	0.15	17 x 33 x 35	24/9	0.8	SCMDSR6R0176QRH173335ET0H0P240A
	20	104	62	0.25	17 x 33 x 39	24/9	0.8	SCMDSR6R0206QRH173339ET0H0P240A
	25	100	60	0.35	18 x 37 x 43	26/11	0.8	SCMDSR6R0256QRH183743ET0H0P260A
	35	100	60	0.45	18 x 37 x 53	26/11	0.8	SCMDSR6R0356QRH183753ET0H0P260A
	50	92	56	0.55	18 x 37 x 61	26/11	0.8	SCMDSR6R0506QRH183761ET0H0P260A