

SVD Series

Coin EDLC Module 扣式 EDLC 模组

Typical applications 典型应用

- Computers and peripherals
计算机及外围设备
- DSL modems and routers
DSL 调制解调器及路由器
- Remote / boiler controllers; automatic meter readers
遥控器、锅炉控制器、自动抄表器
- Car audio and intelligent instruments
汽车音响、智能仪表
- DVD / Blu-ray recorders
DVD / 蓝光刻录机
- RTC backup power
实时时钟备用电源



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	5.5 V
Operating temperature / 工作温度	-40 to +70 °C
Surge voltage / 浪涌电压	5.6 V
Capacitance range / 容量范围	0.1-1.5 F
Capacitance tolerance at 25 °C / 容量偏差	-20% to +80%

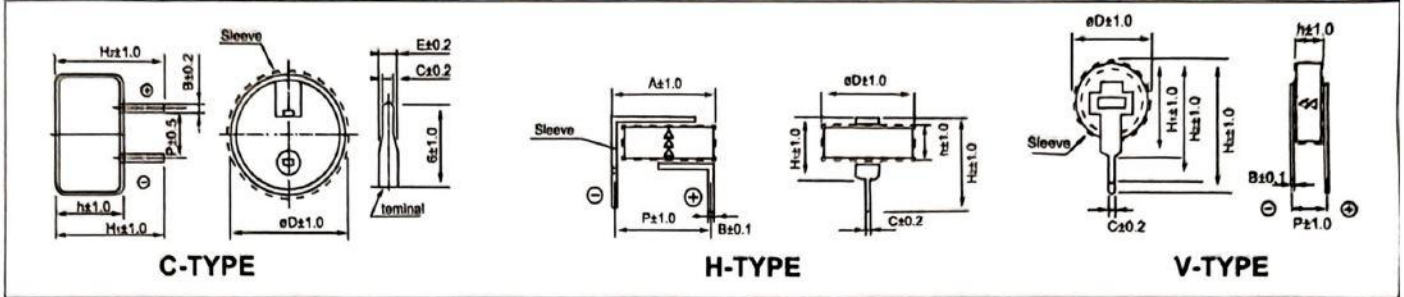
Reliability characteristics 可靠性特性

Test / 项目	Condition / 条件	Requirements / 要求
Temperature characteristics 温度特性	-40 to +70 °C 在工作温度范围内	Capacitance: within 50% of initial value at 25 °C ESR _{AC} : "7 × initial specified value 容量变化: 初始值的 50% 以内; 交流内阻: ≤7 倍
High-temperature load 高温负荷	5 V, 70 °C, 1,000 h 施加 5 V 电压, 70 °C, 1,000 小时	Capacitance: within 30% of initial value ESR _{AC} : "5 × initial specified value 容量变化: 初始值的 30% 以内; 交流内阻: ≤5 倍
High-temperature storage 高温存储	70 °C, 1,000 h 70 °C 存储 1,000 小时	Capacitance: within 30% of initial value ESR _{AC} : "5 × initial specified value 容量变化: 初始值的 30% 以内; 交流内阻: ≤5 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

C-TYPE Rated / surge: 5.5 / 5.6 V | Voltage code: 5R5

C (F) 25 °C	ESR () 1 kHz	I (mA) 72 h	D	h	P	H ₁	H ₂	B	C	E	Part number / 料号
0.1	75	0.005	13.5	7.0	5.0	12.5	13.5	0.4	0.8	1.2	SCMDVD5R5104ZVC135007E
0.22	75	0.005	13.5	7.0	5.0	12.5	13.5	0.4	0.8	1.2	SCMDVD5R5224ZVC135007E
0.33	50	0.008	13.5	7.0	5.0	12.5	13.5	0.4	0.8	1.2	SCMDVD5R5334ZVC135007E
0.47	50	0.008	13.5	7.0	5.0	12.5	13.5	0.4	0.8	1.2	SCMDVD5R5474ZVC135007E
1.0	30	0.012	20.5	7.8	5.0	12.8	13.8	0.4	0.8	1.2	SCMDVD5R5105ZVC205007E
1.5	30	0.012	20.5	7.8	5.0	12.8	13.8	0.4	0.8	1.2	SCMDVD5R5155ZVC205007E

H-TYPE Rated / surge: 5.5 / 5.6 V | Voltage code: 5R5

C (F) 25 °C	ESR () 1 kHz	I (mA) 72 h	D	h	P	H ₁	H ₂	A	B	C	Part number / 料号
0.1	75	0.005	11.5	4.8	10	6	9	12.5	0.2	0.8	SCMDVD5R5104ZVH115004E
0.22	75	0.005	11.5	4.8	10	6	9	12.5	0.2	0.8	SCMDVD5R5224ZVH115004E
0.33	50	0.008	11.5	4.8	10	6	9	12.5	0.2	0.8	SCMDVD5R5334ZVH115004E
0.47	50	0.008	11.5	4.8	10	6	9	12.5	0.2	0.8	SCMDVD5R5474ZVH115004E
1.0	30	0.012	19	4.8	20	7	9.5	20	0.2	1.0	SCMDVD5R5105ZVH190004E
1.5	30	0.012	19	4.8	20	7	9.5	20	0.2	1.0	SCMDVD5R5155ZVH190004E

V-TYPE Rated / surge: 5.5 / 5.6 V | Voltage code: 5R5

C (F) 25 °C	ESR () 1 kHz	I (mA) 72 h	D	h	P	H ₁	H ₂	H ₃	B	C	Part number / 料号
0.1	75	0.005	11.5	4.8	5	13	16.5	16.5	0.2	0.8	SCMDVD5R5104ZVV115004E
0.22	75	0.005	11.5	4.8	5	13	16.5	16.5	0.2	0.8	SCMDVD5R5224ZVV115004E
0.33	50	0.008	11.5	4.8	5	13	16.5	16.5	0.2	0.8	SCMDVD5R5334ZVV115004E
0.47	50	0.008	11.5	4.8	5	13	16.5	16.5	0.2	0.8	SCMDVD5R5474ZVV115004E
1.0	30	0.012	19	4.8	5	20.5	24.5	25.5	0.2	1.0	SCMDVD5R5105ZVV190004E
1.5	30	0.012	19	4.8	5	20.5	24.5	25.5	0.2	1.0	SCMDVD5R5155ZVV190004E

C: rated capacitance. ESR: AC equivalent series resistance. I: leakage current.

C: 额定容量; ESR: 交流等效串联电阻; I: 漏电流。尺寸单位: mm。