

Typical application 典型应用

- Smart Meter: water meter, gas meter, hot meter
智能仪表: 水表、气表、热表
- Scanner
扫描枪
- Electric Tools
电动工具
- Electric equipment
电力设备

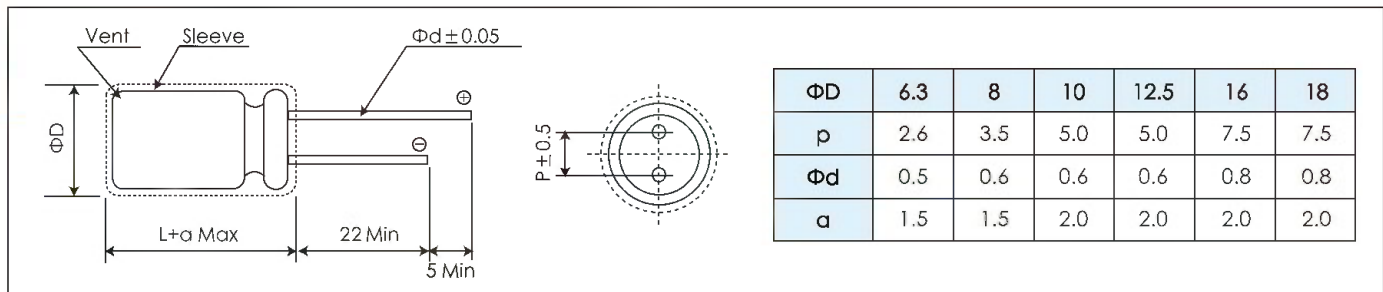
- Driving recorder
行车记录仪
- Wireless charging smart home remote control
无线充电智能家用遥控器
- Backup power: IoT Power, Server backup power, ETC
后备电源: 物联网电源、服务器后备电源、ETC



Items 项目	Characteristics 特性		
Rated Max. Operating Voltage 额定最高工作电压	3.8 V		
Rated Min. Operating Voltage 额定最低工作电压	2.5 V		
Min. Allowable Operating Voltage 最低允许工作电压	2.2 V		
Operating Temperature Rang 工作温度范围	-15~+70°C/85°C (3.5V)		
Surge Voltage 浪涌电压	4.35 V		
Capacitance Range 容量范围	5~550 F		
Capacitance Tolerance 容差范围(25°C)	M: -20~+20%, T: 0~+50%, S: -20~+50%		
Temperature Characteristics 温度特性	The specifications shall be met at category temperature range from -15°C to 70°C 在-15°C至70°C温度范围内, 应满足规范	Capacitance change 容量变化	Within 50% of the initial value at 25°C 在25°C时初始值的50%以内
		ESR _{AC} change 交流内阻变化	Not more than 10 times of the initial specified value at 25°C 不超过25°C时初始规定值的10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 2 times of the initial specified value 不超过初始规定值的2倍
High Temperature Storage 高温存储	The specifications shall be met after storage at 70°C for 1000 hours 在70°C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 3.8~2.5V 在25°C, 3.8~2.5V充放电循环500000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 HBR Series HBR 系列额定值

UR (Surge Voltage) (浪涌电压) Code	Rated Cap. 额定容量 25℃	Storage Energy 储存能量 25℃	Impedance 内阻		Rated. Current 额定电流	Max. Current 最大电流 (≤3sec)	Leakage Current 漏电流 (72hrs)	Size 尺寸 φD×L	P/N 部品号
			ESR _{DC} 直流内阻	ESR _{AC} 交流内阻 (1KHz)					
(V)	(F)	(mWh)	(mΩ)	(mΩ)	(A)	(A)	(μA)	(mm)	-
3.8 (4.35) 3R8	5	5.7	6000	2000	0.025	0.15	2.0	6.3×12	SCCHBR3R8505SRH063012E
	13	14.8	1800	600	0.065	0.65	2.1	6.3×22	SCCHBR3R8136MRH063022E
	10	11.4	1800	500	0.05	0.5	2.0	8×14	SCCHBR3R8106TRH080014E
	25	28.4	1200	350	0.125	0.8	2.5	8×20	SCCHBR3R8256MRH080020E
	30	34.1	900	250	0.15	0.9	3.0	8×25	SCCHBR3R8306MRH080025E
	30	34.1	900	250	0.15	1.0	3.0	10×16	SCCHBR3R8306TRH100016E
	50	56.9	700	200	0.25	1.8	4.5	10×20	SCCHBR3R8506MRH100020E
	70	79.6	480	120	0.35	3.0	5.0	10×25	SCCHBR3R8706MRH100025E
	110	125.1	450	100	0.55	4.5	6.5	10×30	SCCHBR3R8117MRH100030E
	120	136.5	400	90	0.6	5.0	7.0	12.5×25	SCCHBR3R8127MRH125025E
	220	250.3	240	60	1.1	8.0	12.0	16×25	SCCHBR3R8227MRH160025E
550	625.6	120	40	2.75	20	35.0	18×40	SCCHBR3R8557MRH180040E	

*Note: Special customization is possible.

*注: 可以特殊定制。