

Typical application 典型应用

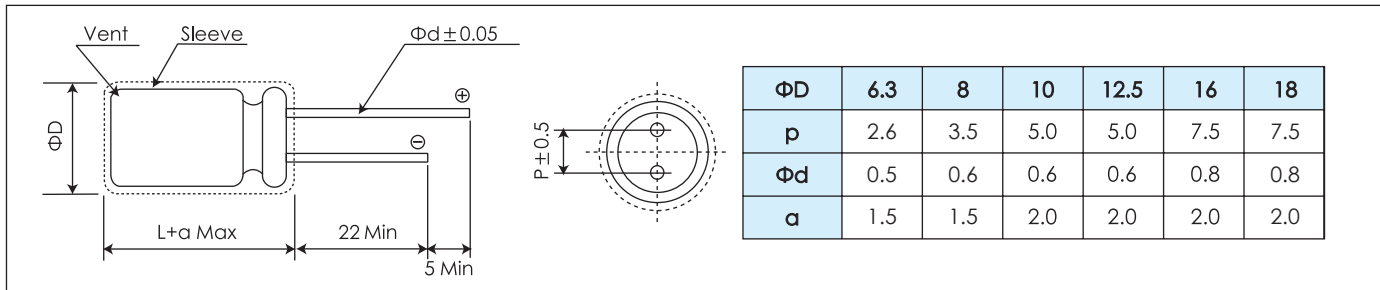
- Smart Meter: water meter, gas meter, hot meter
智能仪表: 水表、气表、热表
- Scanner
扫描枪
- Electric Tools
电动工具
- Electric equipment
电力设备
- Driving recorder
行车记录仪
- Wireless charging smart home remote control
无线充智能家用遥控器
- Backup power: IoT Power, Server backup power, ETC
后备电源: 物联网电源、服务器后备电源、ETC



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	-25~+70°C		
Surge Voltage 浪涌电压	4.35 V		
Capacitance Range 容量范围	8~1400 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 -25°C to 70°C 在-25°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 250,000 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250000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 HBE Series HBE 系列额定值

U _s (Surge Voltage) (浪涌电压) Code	Rated Cap. 额定容量 25°C	Storage Energy 储存能量 25 °C	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	8	9.1	2600	1200	0.04	0.25	2.0	6.3×12	SCCHBE3R8805SRH063012E
	22	25.0	1000	450	0.11	0.7	3.5	6.3×22	SCCHBE3R8226SRH063022E
	25	28.4	900	400	0.125	0.8	2.5	8×14	SCCHBE3R8256MRH080014E
	40	45.5	550	250	0.2	1.2	3.2	8×20	SCCHBE3R8406MRH080020E
	55	62.6	450	200	0.275	1.8	5.0	8×25	SCCHBE3R8556MRH080025E
	55	62.6	450	200	0.275	1.8	5.0	10×16	SCCHBE3R8556MRH100016E
	85	96.7	250	120	0.425	3.5	8.0	10×20	SCCHBE3R8856MRH100020E
	110	125.1	220	90	0.55	4	9.0	10×25	SCCHBE3R8117MRH100025E
	150	170.6	140	70	0.75	6	15.0	10×30	SCCHBE3R8157MRH100030E
	200	227.5	120	60	1	7	22.0	10×40	SCCHBE3R8207MRH100040E
	200	227.5	135	65	1	6	18.0	12.5×25	SCCHBE3R8207MRH125025E
	300	341.3	100	50	1.5	10	30.0	12.5×35	SCCHBE3R8307MRH125035E
	350	398.1	90	45	1.75	11	35.0	12.5×40	SCCHBE3R8357MRH125040E
	400	455.0	80	45	2	12	70.0	12.5×45	SCCHBE3R8407MRH125045E
	450	511.9	60	40	2.25	15	70.0	16×30	SCCHBE3R8457MRH160030E
	850	966.9	70	35	4.25	28	70.0	18×40	SCCHBE3R8857MRH180040E
1000	1137.5	65	30	5	30	100.0	18×50	SCCHBE3R8108TRH180050E	
1400	1592.5	50	28	7	31	120.0	18×60	SCCHBE3R8148MRH180060E	

*Note: Special customization is possible.

*注: 可以特殊定制。