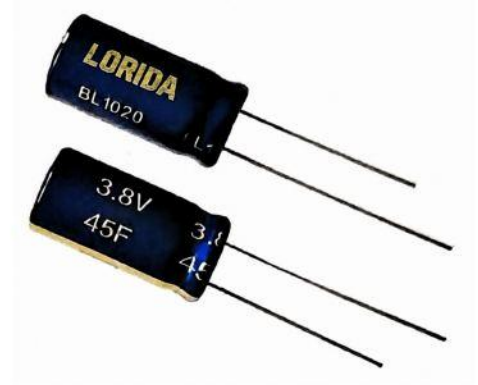


BL Series

Radial LIC Cell 引线式 LIC 单体

Typical applications 典型应用

- Smart meters: water, gas and heat meters
- Scanners
- Electric tools
- Electric equipment
- Driving recorders
- Wireless charging for smart-home remote controls
- Backup power; IoT power; server backup power; ETC



Branding illustration / 品牌外观示意

Electrical characteristics 电气特性

Parameter / 项目	Specification / 规格
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 / 工作温度	-25 to +70 °C
Surge voltage / 浪涌电压	4.2 V
Capacitance range / 容量范围	10-500 F
Capacitance tolerance at 20 °C / 容量偏差	-20% to +20% / -10% to +30%

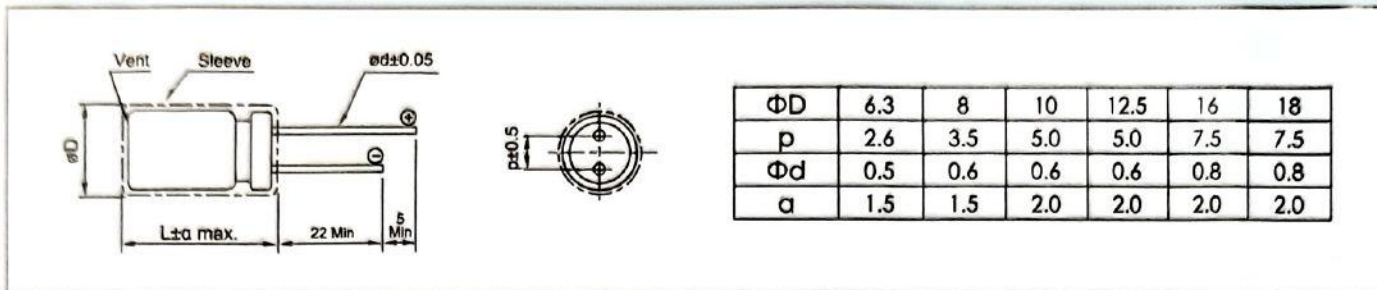
Reliability characteristics 可靠性特性

Test / 项目	Condition / 条件	Requirements / 要求
Temperature characteristics 温度特性	-25 to +70 °C -25 至 +70 ° C	Capacitance change: within 50% of initial value at 25 °C ESR _{AC} : " 10 × initial specified value 容量变化: 50% 以内; 内阻: ≤10 倍
High-temperature load 高温负荷	Rated voltage, 70 °C, 1,000 h 额定电压, 70 ° C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : " 2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
High-temperature storage 高温存储	70 °C, 1,000 h 70 ° C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : " 2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
Cycle life 循环寿命	250,000 cycles, 25 °C 3.8-2.5 V 250,000 次充放电循环, 25 ° C	Capacitance change: within 30% of initial value ESR _{AC} : " 2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 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 _s (Surge Voltage) 浪涌电压 Code	Rated Cap. 额定容量 25℃	Impedance 内阻		Rated. Current 额定电流	Max. Current 最大电流 (≤3sec)	Leakage Current 漏电流	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)	(mΩ)	(mΩ)	(A)	(A)	(μA)	(mm)	
3.8 (4.2) 3R8	10	1500	500	0.05	0.5	3.0	8*14	SCCHBL3R8106MRH080014E
	12	1500	500	0.05	0.5	3.0	8*14	SCCHBL3R8126MRH080014E
	13	1200	500	0.065	0.65	3.1	6.3*22	SCCHBL3R8136MRH063022E
	20	650	300	0.125	0.8	3.3	8*20	SCCHBL3R8206QRH080020E
	25	650	300	0.125	0.8	3.3	8*20	SCCHBL3R8256MRH080020E
	30	700	250	0.15	0.9	4.0	8*25	SCCHBL3R8306MRH080025E
	30	550	250	0.15	1.0	4.0	10*16	SCCHBL3R8306MRH100016E
	35	550	250	0.15	1.0	4.0	10*16	SCCHBL3R8306QRH100016E
	45	450	200	0.25	1.8	6.0	10*20	SCCHBL3R8456QRH100020E
	50	450	200	0.25	1.8	6.0	10*20	SCCHBL3R8506MRH100020E
	65	250	100	0.35	3.0	8.0	10*25	SCCHBL3R8656QRH100025E
	70	250	100	0.35	3.0	8.0	10*25	SCCHBL3R8706MRH100025E
	100	220	90	0.55	4.5	10.0	10*30	SCCHBL3R8107MRH100030E
	120	200	80	0.6	5.0	12.0	12.5*25	SCCHBL3R8127MRH125025E
	220	100	60	1.1	8.0	25.0	16*25	SCCHBL3R8227MRH160025E
	500	80	40	2.75	20	65	18*40	SCCHBL3R8507MRH180040E