

# NEW - LIC (3.8V) Series



## 特點 Features

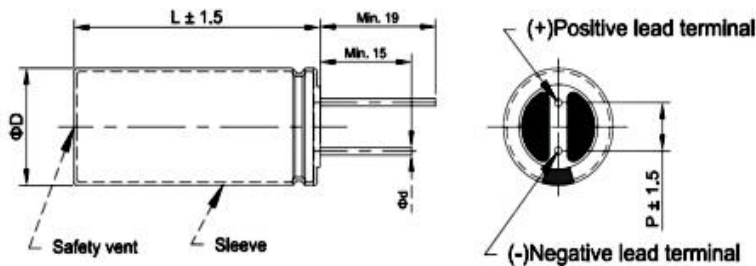
- ❖ Low Self Discharge、 over 10C Rate 低自放電、超過 10C 速度
- ❖ High Capacitance 高容量同體積 EDLC 10 倍
- ❖ High Operating Voltage 高定電壓 3.8V
- ❖ long Cycle Life 30k cycle 使用壽命長 30000 次迴圈
- ❖ No Explosion Safety 無爆炸安全

## 應用 Application

- ❖ With 3.6V Li-primary battery : Water meter, Gas meter, Electric meter, ETC, ...  
適用於 3.6V 锂电池:水表、煤气表、电表等...



## 導針型 Lead type



系列编号 Series Number	尺寸 Size (mm)		
	Φ DxL	P	Φ d
LIC0813	8X13	3.5	0.6
LIC0820	8X20	3.5	0.6
LIC1020	10X20	5.0	0.6
LIC1030	10X30	5.0	0.6
LIC1320	13X20	5.0	0.6
LIC1620	16X20	7.5	0.8
LIC1640	16X40	7.5	0.8
LIC1840	18X40	7.5	0.8

## 典型產品 Standard Products

CDA 產品料號 Part number	額定電壓 Rated Voltage (V)	最低電壓 Minimum Voltage (V)	標稱容量 Rated Cap. (F)	電池容量 (3.8V-2.5V) Battery Cap. (mAh)	內阻 ESR(mΩ) AC-ESR (1KHZ)	工作溫度 Working Temperature (° C)	最大重量 Maximum Weight (g)	終端類型 Terminal type
LIC 0813 Q 3R8 206	3.8	2.5	20	10	500	-40 ~ 85	1.5	引線
LIC 0820 Q 3R8 406	3.8	2.5	40	15	200	-40 ~ 85	2.0	引線
LIC 1020 Q 3R8 806	3.8	2.5	80	30	150	-40 ~ 85	3.0	引線
LIC 1030 Q 3R8 107	3.8	2.5	100	36	100	-40 ~ 85	6.0	引線
LIC 1320 Q 3R8 127	3.8	2.5	120	45	100	-40 ~ 85	5.0	引線
LIC 1620 Q 3R8 257	3.8	2.5	250	80	50	-40 ~ 85	8.0	引線
LIC 1640 Q 3R8 507	3.8	2.5	500	200	40	-40 ~ 85	15.0	引線
LIC 1840 Q 3R8 757	3.8	2.5	750	300	25	-40 ~ 85	20.0	引線

## 詳細說明 Detailed Instructions

系列编号 Series Number	LIC 0813	LIC 0820	LIC 1020	LIC 1030	LIC 1320	LIC 1620	LIC 1840
電容範圍 Capacity range	-20% to + 80%						
最大放電 電流 (A)	連續放電	100mA	200mA	250mA	500mA	500mA	3.0A
	脈衝(1sec.)	0.5A	1.0A	3.0A	5.0A	5.0A	30.0A
最大充電電壓/電流	4.0V/0.2A	4.0V/0.3A	4.0V/0.5A	4.0V/1A	4.0V/1A	4.0V/2A	4.0V/3A
高溫和 低溫特性	電容容量變化	相比 20° C 變化 ± 30%					
	內阻變化	相比 20° C < 10 倍					
高溫負荷	測試時間	1,000(hours)					
	電容容量變化	相比初始值變化 ± 30%					
	內阻變化	相比初始值變化 < 4 倍					
使用壽命 The service life of the	跟高溫負荷相同(測試時間: 1,500 hours)						

規格若有任何變更將不予通知。如有產品安全或技術問題，請即與我司市場部或代理商聯繫。

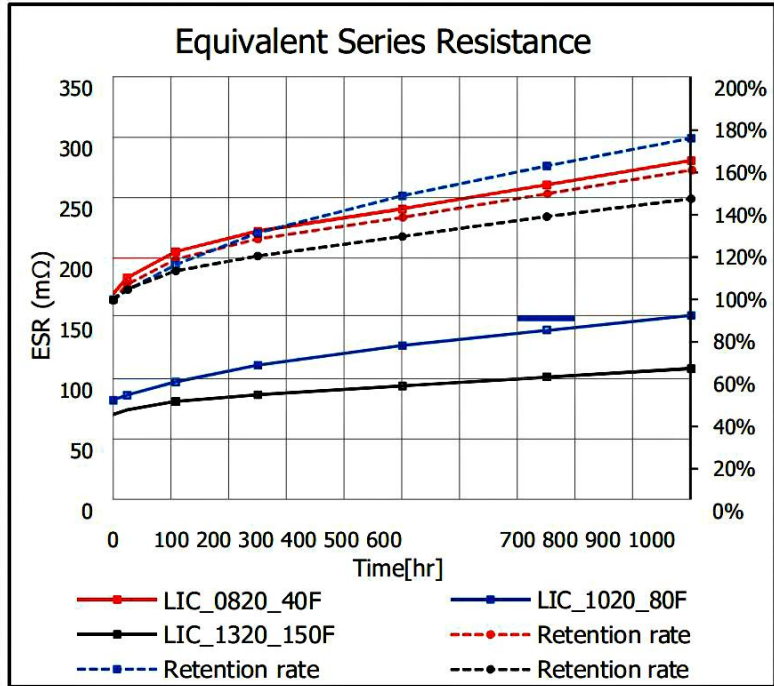
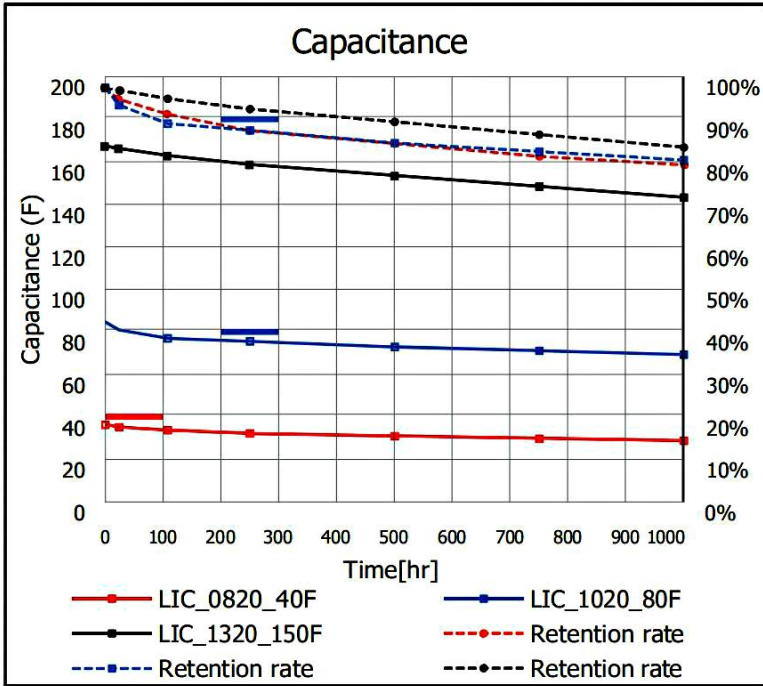
Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.



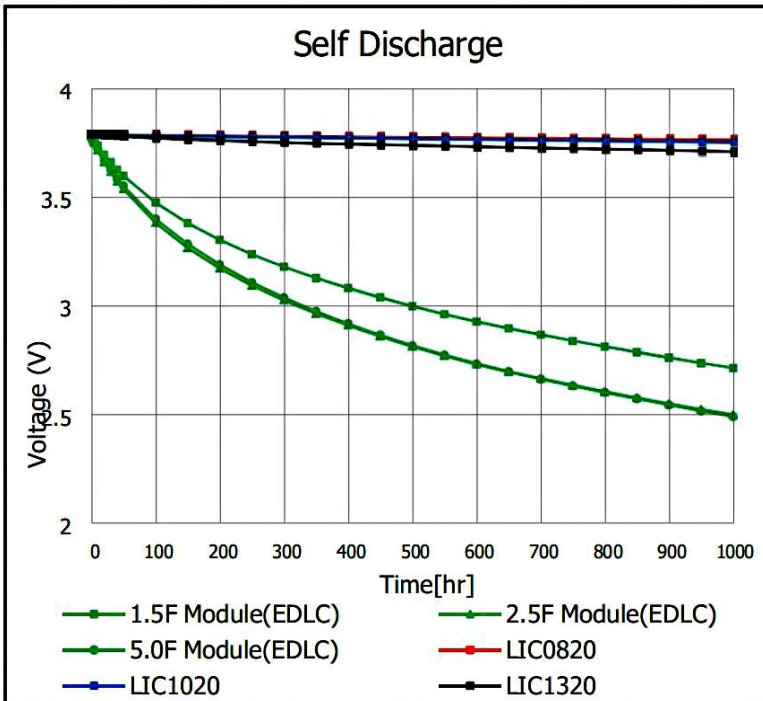
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## 新能源電容器 New energy capacitors

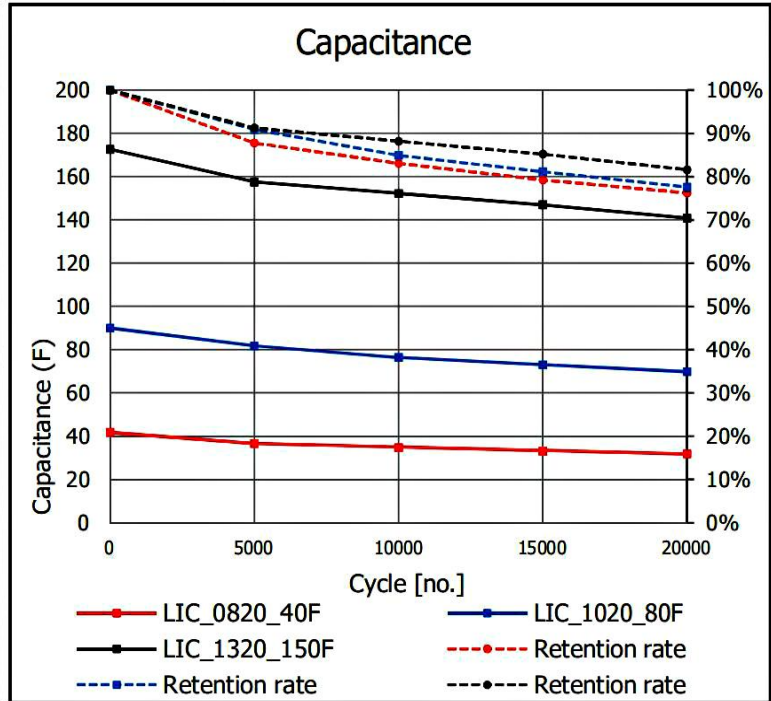
### Endurance DATA \_ 3.8V, 70°C



### Self-Discharge \_ LIC vs EDLC



### Charge-Discharge Cycle



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