

Cda[®]

LIC-L(3.8V)Series

FEATURES

- Low Self Discharge over 10C Rate
- High Capacitance
- High Operating Voltage
- long Cycle Life 30k cycle
- No Explosion Safety

APPLICATIONS

- Pulse power demand
- Ride thru power support
- Back up power
- Stand alone or augment existing
- energy/power source



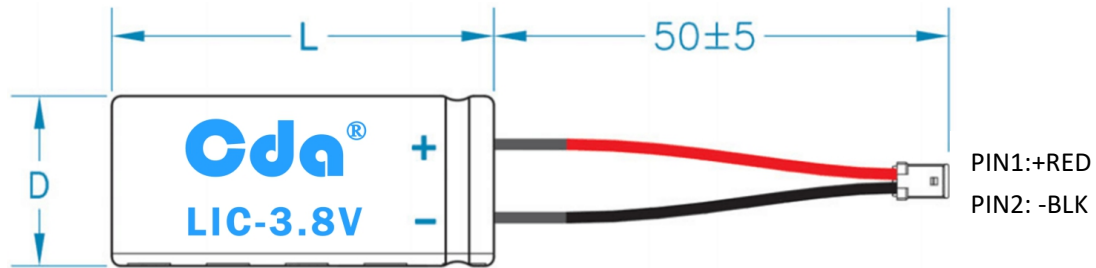
GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-15°C to +70°C @ 3.8V -15°C to +85°C @ 3.5V
Storage temperature	-40°C to +85°C
Capacitance range	10F to 750F
Capacitance tolerance	+/-20%
Rated voltage	3.8 VDC / 3.5 VDC
Minimum rated voltage	2.5 VDC
Surge voltage	4.2 VDC
Temperature characteristics	Capacitance change: Within ±50% of initial measured value at +25°C (-15°C to +70°C) Internal resistance: Within ±800% of initial measured value at +25°C (at -15°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: ±30% of initial rated value Internal resistance: Within 2 times of initial specified value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 1000 hours storage, at 70°C without load, the capacitor shall meet the specified endurance limits.

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DIMENSIONS



STANDARD PRODUCTS

Part Number	Dimensions (mm)		Nom. Cap. (F)	3.8V-2.5V Battery Cap. (mAh)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA)	Rated Current (A)	Max Current (A)	Weight/Unit (grams)
	D	L							
LIC0813Q3R8106-L	8	13	10	10	510	0.001	0.05	0.5	1.5
LIC0813Q3R8206-L	8	13	20	10	500	0.001	0.1	0.5	1.5
LIC1013Q3R8256-L	10	13	25	12	280	0.001	0.15	1.0	2.65
LIC1013Q3R8306-L	10	13	30	13.5	260	0.001	0.15	1.0	2.65
LIC0820Q3R8406-L	8	20	40	15	250	0.002	0.2	1.5	2.0
LIC1313Q3R8706-L	13	13	70	27	115	0.002	0.3	2.0	3.5
LIC1020Q3R8806-L	10	20	80	30	110	0.002	0.35	3.0	3.0
LIC0825Q3R8906-L	8	25	90	27	115	0.002	0.3	2.0	2.5
LIC0825Q3R8107-L	8	25	100	36	100	0.003	0.6	3.0	2.7
LIC1030Q3R8107-L	10	30	100	36	100	0.003	0.6	5.0	6.0
LIC1030Q3R8127-L	10	30	120	45	95	0.003	0.6	5.0	5.0
LIC1320Q3R8127-L	13	20	120	45	95	0.003	0.6	5.0	5.0
LIC1335Q3R8257-L	13	35	250	80	50	0.005	1.1	10.0	8.0
LIC1620Q3R8257-L	16	20	250	80	50	0.005	1.1	10.0	8.0
LIC1620Q3R8277-L	16	20	270	85	50	0.013	2.0	10.0	8.5
LIC1640Q3R8507-L	16	40	500	200	40	0.015	2.25	25.0	15.0
LIC1840Q3R8507-L	18	40	500	200	40	0.015	2.25	30.0	16.0
LIC1840Q3R8757-L	18	40	750	300	25	0.023	3.0	30.0	20.0