TYPE TPLC
HYBRID CAPACITOR (LIC)

FEATURES

- Compact size and energy dense
- Higher voltage
- Quick charge and discharge
- RoHS & Reach compliant



APPLICATIONS

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

Need a custom fit for your design? Click here to get started.

GENERAL SPECIFICATIONS

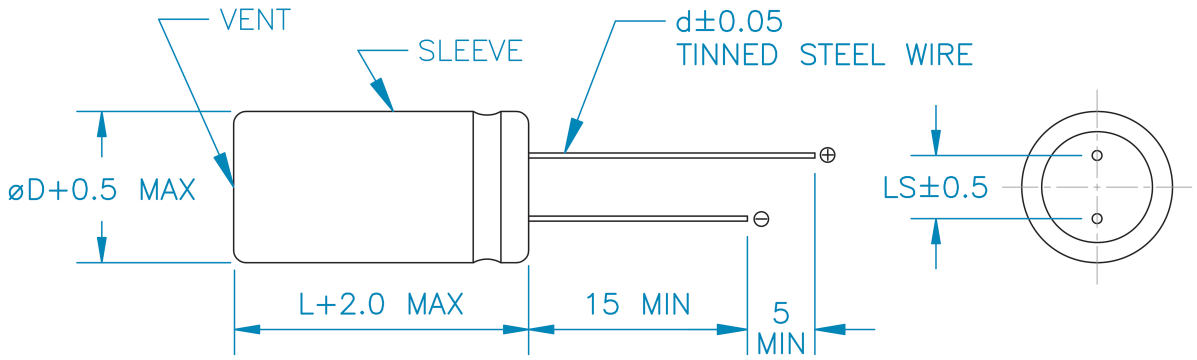
Item	Performance
Operating temperature	-15°C to +70°C @ 3.8V -15°C to +85°C @ 3.5V
Storage temperature	-25°C to +70°C
Capacitance	30F
Capacitance tolerance	+/-20%
Rated voltage	3.8 VDC / 3.5 VDC
Minimum rated voltage	2.2 VDC
Surge voltage	4.2 VDC
Temperature characteristics	Capacitance change: Within ±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	After 500,000 cycles: From 3.8V to 2.5V at 25°C 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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Spec. Date: 2024-08-27 16:21:00

DIMENSIONS



STANDARD PRODUCTS

Part Number	UL	Nom. Cap. (F)	ESR AC (mΩ) (1 KHz)	ESR DC Typical (mΩ)	Leakage Current (µA)	Dimensions (mm)				Rated Current (A)	Max Current* (A)	Weight/Unit (grams)
						D	L	d	LS			
TPLC-3R8/30MR10X16		30	250	900	3	10	16	0.6	5	0.15	1	2.5

* Maximum allowable current for 3 seconds or less.

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Tecate:

SCAP,PBLL-15.0/5.4 SCAP,PBLS-2.33/32.4 SCAP,PBLL-5.0/5.4 TPL-11/10X30F TPLH-2R7/22WR12X31 SCAP,PBLS-1.0/27 TPLH-3R0/3000SL60138 TPLC-3R8/70MR10X25 TPLC-3R8/10MR8X14 TPLH-2R7/2000SL60102 SCAP,PBLS-1.66/16.2 TPLH-3R0/400SS35X66 TPL-8.0/10X25F TPLH-3R0/12WR10X30 TPLH-3R0/60WR18X40 SCAP,PBLS-9.0/13.5 TPLC-3R8/25MR10X16 TPLH-3R0/450SS35X71 TPLC-3R8/30MR10X16 TPLC-3R8/200MR16X25 SCAP,PBLS-2.0/13.5 PBLH-12R0/100ST TPL-1.2/6X15F TPLC-3R8/220MR16X25 TPL-10/10X30F SCAP,PBLS-3.5/21.6 TPLH-2R7/25WR12X35 TPLH-3R0/25WR16X26 TPLH-2R7/3000SL60138 TPLH-2R7/44WR12X46