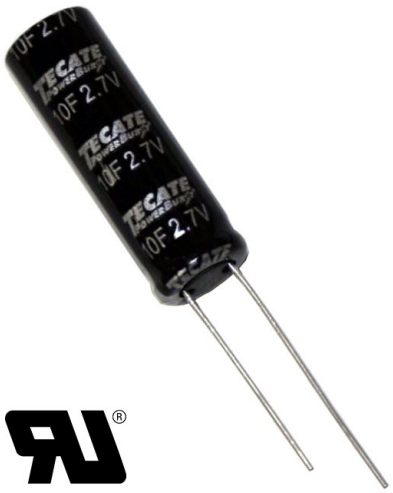
TYPE TPL

GENERAL PURPOSE RADIAL LEAD ULTRACAPACITOR CELLS

FEATURES

- Small size and low resistance
- Quick charge and discharge
- RoHS compliant
- UL recognized



APPLICATIONS

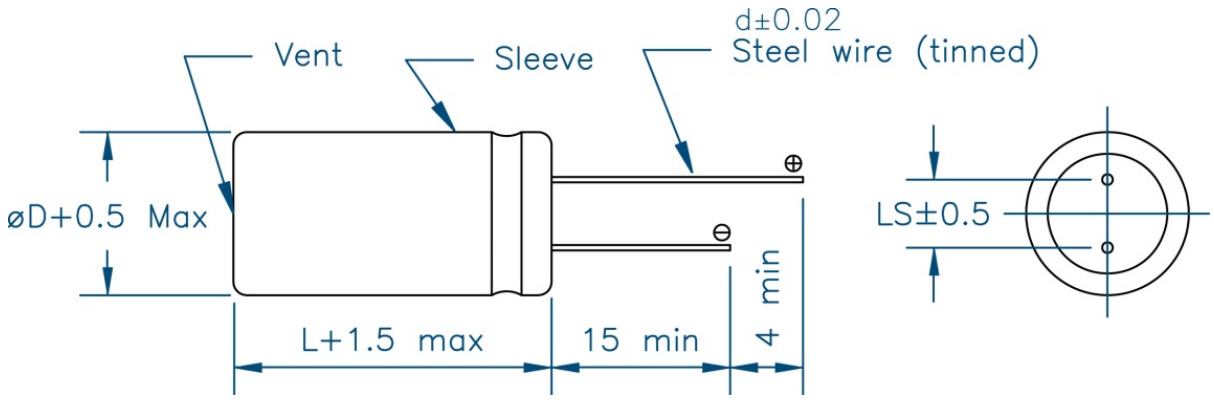
- Pulse power demand
- Hybrid battery packs
- Portable electronic devices

GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C @ 2.7V -40°C to +85°C @ 2.3V
Storage temperature	-40°C to +70°C
Capacitance	100F
Capacitance tolerance	-10/+20%
Rated voltage	2.7V/2.3V
Surge voltage	2.85V
Temperature charateristics	Capacitance change: Within ±5% of initial measured value at +25°C (-40°C to +65°C) Internal resistance: Within ±50% of initial measured value at +25°C (at -40°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
Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
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.

Specifications and dimensions are subject to change without notice. Please confirm technical specifications with Tecate Group before purchasing.

DIMMENSIONS (mm)



STANDARD PRODUCTS

Part Number	Cap. (F)	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA) (72 hrs @ 25C)	Dimmensions (mm)				Max Peak Current (A)	Weight/Unit (grams)
					D	L	d	LS		
TPL-100/22X45F	100	15	10	0.26	22	45	1	9.5	54	23

PART NUMBER EXAMPLE

TPL	-	100	/	22X45	F
Type		Capacitance Code (F)		Size (DxL)	RoHS Compliant

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