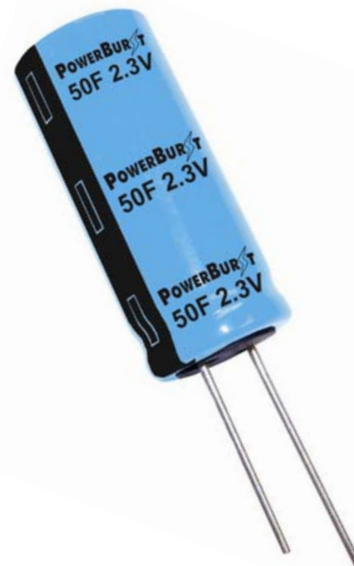


FEATURES

- Extended temperature 85°C
- Small size and low-resistance
- Quick charge & discharge
- RoHS compliant

APPLICATIONS

- Pulse power demand
- Hybrid battery packs
- Portable Electronic Devices



PART NUMBERING

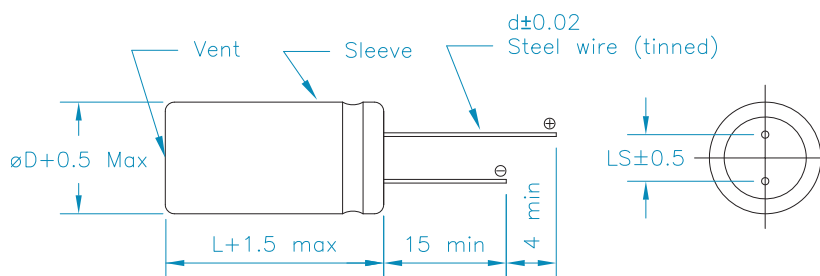
Part Number Example: TPLE-5.0/10X20F				
TPLE	-	5.0	/	10X20 F
Type		Capacitance Code (F)	Size (D X L)	RoHS Compliant

SPECIFICATIONS

Item	Performance		
Operating temperature	-40°C to +85°C		
Storage temperature	-40°C to +85°C		
Rated voltage	2.3 VDC		
Surge voltage	2.85 VDC		
Capacitance range	5.0F to 100.0F		
Capacitance tolerance	-0/+40%		
Characteristics at low temperature	Capacitance Change	Within ±5% of initial measured value at +25°C(-40°C to +85°C)	
	Internal resistance	Within ±50% of initial measured value at +25°C(at -40°C)	
Lifetime at 25°C	10 years	Capacitance change	±30 % of initial specified value
		Internal resistance	Within 2 times of initial specified value
Cycle life at 25°C	500,000 cycles	Capacitance change	±30 % of initial specified value
		Internal resistance	Within 2 times of initial specified value
Endurance	After 1000 hours application of 2.3 VDC at 85C, the capacitor shall meet the following limits:		
	Capacitance change	±30% of initial specified value	
	Internal resistance	Within 2 times of initial specified value	
Storage life	2 years at 25°C		

DIMENSIONS

Units = mm



STANDARD PRODUCTS

Part Numbers	CAP. (F)	ESR/DC (mΩ)	ESR/AC 1kHz (mΩ)	Leakage Current (mA) (72 hrs @ 25C)	Size (mm)				Max Current 1s to 1/2V (A)	Isc (A)	Weight/unit (grams)
					D	L	d	LS			
TPLE-5.0/10X20F	5	160	90	0.015	10	20	0.6	5.0	3.75	16.88	2.3
TPLE-10/10X30F	10	85	60	0.030	10	30	0.6	5.0	7.30	31.76	3.5
TPLE-15/12X31F	15	60	35	0.035	12.5	31.5	0.8	5.3	10.66	45.0	5.3
TPLE-22/12X35F	22	45	30	0.055	12.5	35.5	0.8	5.3	14.92	60.00	6.5
TPLE-25/16X26F	25	42	28	0.060	16	26	0.8	7.5	16.46	64.29	7.5
TPLE-50/18X40F	50	20	15	0.130	18	40	0.8	7.5	33.75	135.0	13
TPLE-70/18X45F	70	20	13	0.150	18	45	0.8	7.5	39.38	135.0	16
TPLE-100/22X45F	100	15	10	0.260	22	45	1	9.5	54.00	180.0	23