Purixel(ELECTRIC DOUBLE LAYER CAPACITORS)

PTC

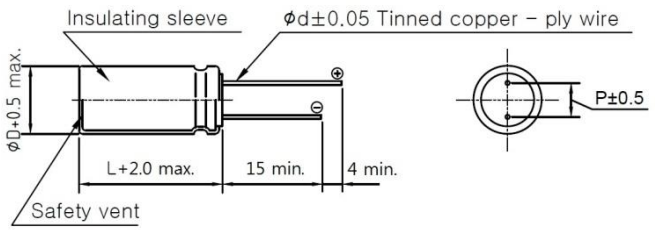
Radial Type
Standard Series

· Endurance : 2.7V 85℃ 1000 hours
· Small size, high capacitance and low resistance
· Longer cycle life than other secondary batteries

Item	Characteristics	
Operating Temperature Range	-40 ~ +85℃	
Rated Voltage	2.7 VDC	
Capacitance Tolerance	-10% ~ +20%	
Temperature Characteristics	Capacitance change	Within ±5% of initial value at +25℃
	Internal resistance	Within ±50% of initial value at +25℃
Endurance	Duration	1000 hours
	Capacitance charge	Within ≤30% of initial value
	Internal resistance	Within ≤200% of initial specified value
Shelf Life	After 1000 hours no load test same as endurance	
Life Time at RT(1)	10 years	(1) |ΔC| ≤30% of initial value and |ESR| ≤200% of initial specified value.
Cycle Life(25℃)(1)(2)	500,000 cycles	(2) Cycle : between rated voltage and half rated voltage under constant current at 25 ℃

• DIMENSIONS

Unit : mm



ΦD	L	P	Φd
16.0	25.0	7.5	0.8

• SPECIFICATIONS

Rated Voltage	Cap.	ESR, 1kHz	ESR, DC	LC(72hr)	Specific Energy	Specific Power	Max. Peak Current	Weight	Volume	PART No.
V	F	mΩ	mΩ	mA	Wh/kg	kW/kg	A	g	mL	
2.7	25	15	25	0.070	3.38	9.72	20.77	7.50	5.02	PTC02R7SN25616025

1. Capacitance and Equivalent Series Resistance (ESR) measured according to IEC62391-1 at +25℃, with current in milliamps (mA) = 10*C
2. Leakage Current at 25℃ after 72 hours charge and hold
3. Specific Energy (Wh/kg) = (½*C*V^2/3600)/weight
4. Specific Power (kW/kg) = (V^2/4*ESR)/weight
5. Max Peak Current in Amps (A), 1 second discharge from rated voltage to half rated voltage = (½*C*V)/(1+ESR*C)