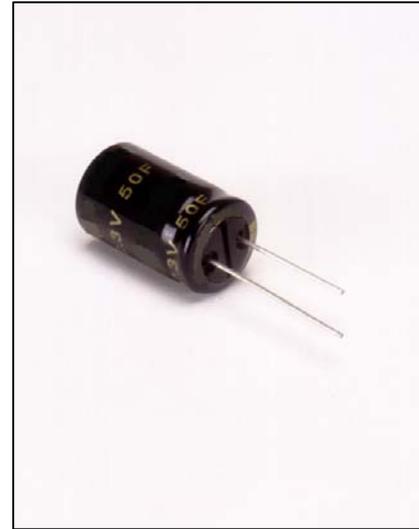
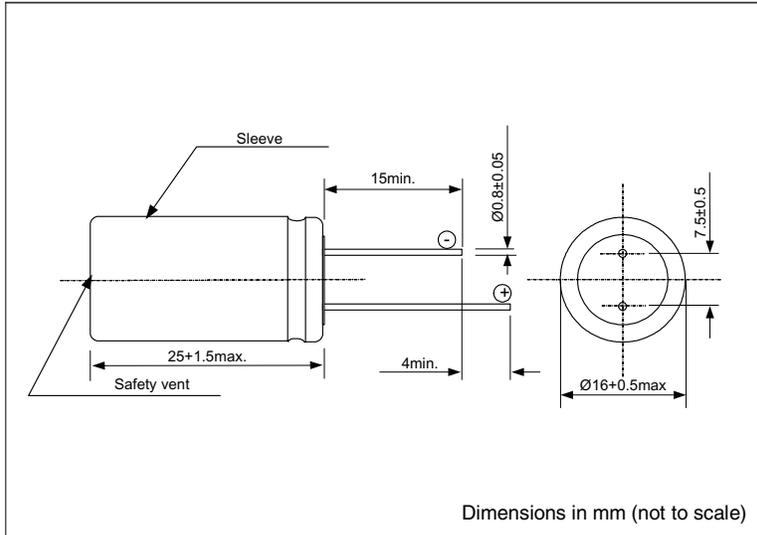


NESSCAP 50F/2.3V

PSHLR-0050C0-002R3

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC ⁽¹⁾ , 25°C)	50 Farads	(1) Discharging with constant current	
Capacitance Tolerance	-10% / +20%		
Rated Voltage, V _R	2.3 V		
Surge Voltage	2.5 V		
Rated Current (25°C)	0.4 A	About 30 min discharge rate from 2.3V to 0.9V	
Max. Current-continuous (25°C)	1.3 A	40sec discharge current from V _R to 0.5 V _R	
Max. Stored Energy (at V _R)	132.3J (0.0367 Wh)		
Specific Energy	Gravimetric	4.6 Wh/kg	
	Volumetric	7.3 Wh/l	
Specific Power ⁽²⁾ (at matched load)	Gravimetric	4.1 kW/kg	(2) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	6.6 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	30 mΩ	
	DC (4.6A)	40 mΩ	
Dimensions	φ 16 x / 25 mm		
Volume	5.0 ml		
Weight	8.0 g		
Operating temperature range ⁽³⁾	-25 ~ 60 °C	(3) ••C•< 30% and ESR < 5 times of initially measured value at 25°C, respectively	
Storage temperature range	-30 ~ 70 °C		
Max. Leakage Current, L _C (72h, 25°C)	450 μA		
Life Time at RT ⁽⁴⁾	10 years	(4) ••C•< 30% and ESR < three times of initially measured value, respectively and LC < specified value	
Cycle Life (25°C) ^{(4),(5)}	100,000 cycles	(5) 1 cycle: charging to V _R for 40s, constant voltage charging for 10s, discharging to 1/2V _R for 40s, rest for 10s	

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