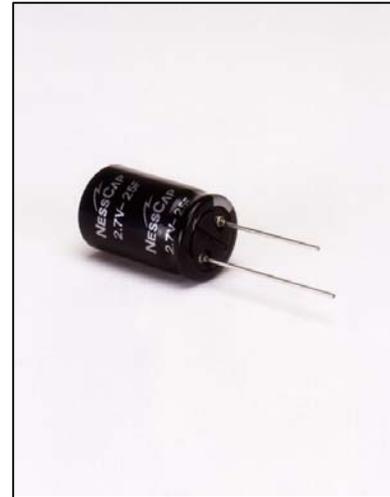
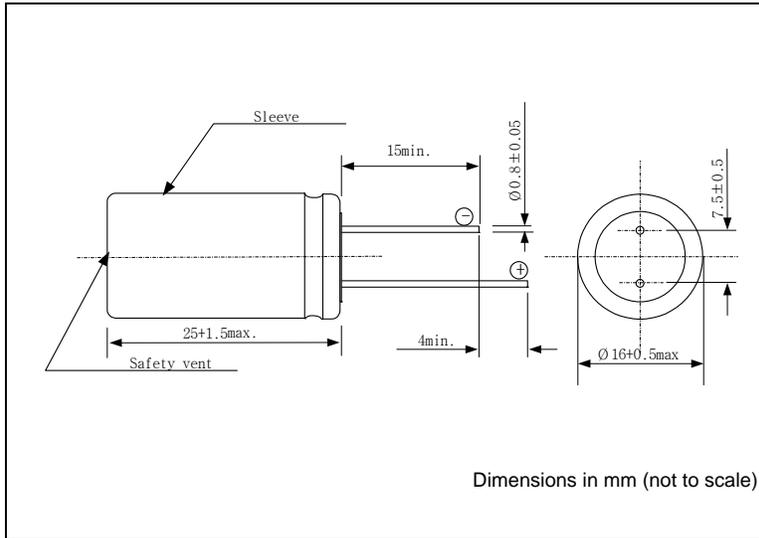


NESSCAP 25F/2.7V

ESHSR-0025C0-002R7

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC⁽¹⁾, 25°C)	25 Farads	(1) Discharging with constant current	
Capacitance Tolerance	-10% / +20%		
Rated Voltage, V_R	2.7 V		
Surge Voltage	2.85 V		
Rated Current (25°C)⁽²⁾	5.9 A	(2) 5 sec discharge rate to 1/2 V_R	
Max. Current (25°C)⁽³⁾	> 19.3 A	(2) 1 sec discharge rate to 1/2 V_R	
Max. Stored Energy (at V_R)	91.13J (0.0253Wh)		
Specific Energy	Gravimetric	3.24 Wh/kg	
	Volumetric	5.04 Wh/l	
Specific Power⁽³⁾ (at matched load)	Gravimetric	7.79 kW/kg	(3) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	12.10 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	20 mΩ	
	DC (2.7A)	30 mΩ	
Dimensions	φ16 x 125 mm		
Volume	5.02 ml		
Weight	7.8 g		
Operating temperature range⁽⁴⁾	-40 ~ 60 °C	(4) ΔC < 30% and ESR < 2 times of initially measured value at 25°C, respectively	
Storage temperature range	-40 ~ 70 °C		
Max. Leakage Current, L_c(12h, 25°C)	1.5 mA		
Life Time at RT⁽⁵⁾	10 years	(5) ΔC < 30% and ESR < 2 times of initially measured value, respectively and LC < specified value	
Cycle Life (25°C)^{(5), (6)}	500,000 cycles	(6) 1 cycle: charging to V_R for 20s, constant voltage charging for 10s, discharging to 1/2V_R for 20s, rest for 10s	

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