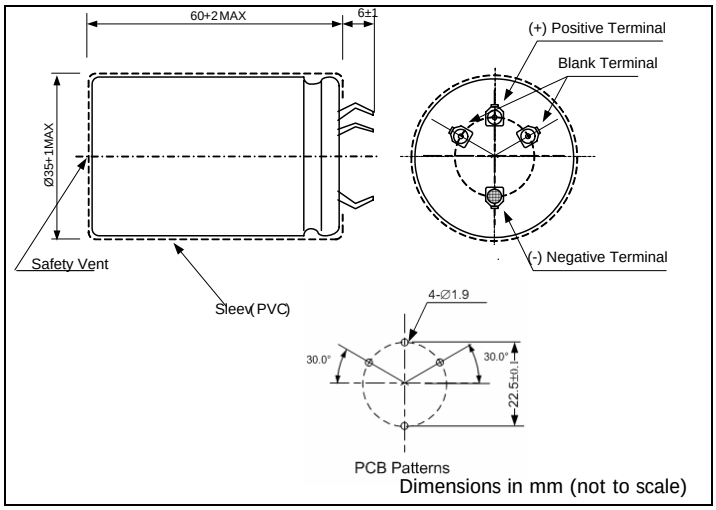
NESSCAP 400F/2.7V

ESHSR-0400C0-002R7

■ Features

- **Cylindrical cell**
- **Radial lead terminals**



CAUTION

Use the blank terminals for mechanical support only

The blank terminals must not be connected any copper on PCB

Be sure to electrically isolate from negative the positive terminals.

www.DataSheet4U.com

■ Specifications

Rated Capacitance, C (DCC[1], 25°C)		**400 Farads**	**(1) Discharging with constant current**
Capacitance Tolerance		**-10% / +10%**	
Rated Voltage, V_R		**2.7 V**	
Surge Voltage		**2.85 V**	
Rated Current (25°C)[2]		**81 A**	**(2) 5 sec discharge rate to 1/2 V_R**
Max. Current (25°C)[3]		**> 202 A**	**(3) 1 sec discharge rate to 1/2 V_R**
Max. Stored Energy (at V_R)		**1,458J (0.405Wh)**	
Specific Energy	**Gravimetric**	**6.23 Wh/kg**	
	Volumetric	**6.98 Wh/l**	
Specific Power[4] (at matched load)	**Gravimetric**	**5.34 kW/kg**	**(4) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.**
	Volumetric	**5.99 kW/l**	
Maximum Internal Resistance (ESR)	**AC (1kHz)**	**3.2 mΩ**	
	DC (20A)	**4.2 mΩ**	
Dimensions		**ϕ35 x /60 mm**	
Volume		**58 ml**	
Weight		**65 g**	
Operating temperature range[5]		**-40 ~ 60 °C**	**(5) C < 20% and ESR < 2 times of initially measured value at 25°C, respectively**
Storage temperature range		**-40 ~ 70 °C**	
Max. Leakage Current, L_C(72h, 25°C)		**1.0 mA**	
Life Time at RT [6]		**10 years**	**(6) C < 30% and ESR < 2 times of initially measured value, respectively and LC < specified value**
Cycle Life (25°C)[6], [7]		**500,000 cycles**	**(7) 1 cycle: charging to V_R for 20s, constant voltage charging for 10s, discharging to 1/2V_R for 20s, rest for 10s**

© NESSCAP 2003. All Rights reserved. Design, Specifications are subject to change without notice.

NESSCAP Co., Ltd.
Gomae-ri 750-8, Kiheung-Eup, Yongin-City, Kyonggi-Do 449-901, Korea
Tel: +82-31-289-0721 Fax: +82-31-286-6767 e-mail: marketing@nesscap.com
www.nesscap.com

Downloaded from Elcodis.com electronic components distributor