



NESSCAP® Ultracapacitor Products

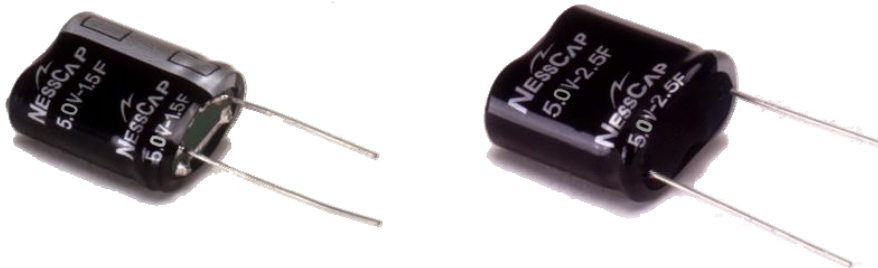
Features

Module

Two lead terminals and radial design
 Compliant with RoHS requirement (Ex : Cd, Pb)
 2 serial connection of 2.7V/3F, or 2.7V/5F cells

Dimension

Dimension in mm (not to scale)



Capacitance	Dimension (mm)		
	D (max)	L (max)	W (max)
1.5F	9.5	23	17.5
2.5F	12	23	21.5

Product & Spec.

Rated Capacitance	Internal Resistance (mΩ)		Max. Current (A)	Leakage Current (mA)	Stored Energy (Wh)	Specific Energy (Wh/kg)	Weight (g)	Part Number
	AC(1kHz)	DC						
Discharge with constant current at 25°C			1 sec discharge rate to 1/2V _R	72hours, 25°C	at V _R	Gravimetric		
1.5F	< 110	< 143	3.1	0.02	0.005	1.47	3.4	EMHSR-0001C5-005R0
2.5F	< 53	< 69	5.3	0.04	0.009	1.80	5.0	EMHSR-0002C5-005R0

Rated Voltage, V _R	5.0 V	
Surge Voltage	5.4 V	
Capacitance Tolerance	-10% / +20%	
Operating Temperature Range	-40 ~ 65 °C	ΔC < 5% and ΔESR < 0.5 times of initially measured value at 25°C, respectively
Storage Temperature Range	-40 ~ 70 °C	
Life Time at RT ⁽¹⁾	10 years	(1) ΔC < 30% and ΔESR < 1 times of initially specified value , respectively and LC < specified value
Cycle Life (25°C) ⁽¹⁾⁽²⁾	500,000 cycles	(2) Cycle : between rated voltage and half rated voltage under constant current at 25°C

※ Life time is provisional value

© NESSCAP 2008. All Rights reserved. Design, Specifications are subjected to change without notice.

Nesscap Co., Ltd.
 (446-901) 750-8, Gomae-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-289-0721 Fax: +82-31-286-6767 e-mail: marketing@nesscap.com
www.nesscap.com

ISO 9001, ISO 14001, TS 16949