



# NESSCAP® Ultracapacitor Products

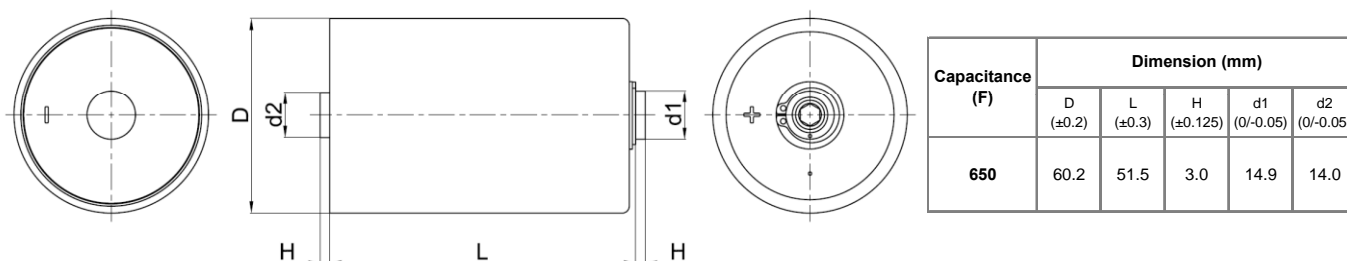
## Features

EDLC(Electric Double Layer Capacitor)  
**Weldable terminals**  
**Ultra low internal resistance**  
**Highest power performance available**



## Dimension

Dimension in mm (not to scale)



## Product & Spec.

Rated Capacitance (F)	Internal Resistance (mΩ)		Max. Current (A)	Leakage Current (mA)	Stored Energy (Wh)	Specific Energy (Wh/kg)	Nominal Weight (g)	Part Number
	Discharge with constant current at 25°C	AC(100Hz)						
650	< 0.50	< 0.60	631	< 1.50	0.658	3.21	205	ESHSR-0650C0-002R7A5

Rated Voltage, $V_R$	2.7 V	
Surge Voltage	2.85 V	
Capacitance Tolerance	0% / +20%	
Operating Temperature Range	-40 ~ 65 °C	$\Delta C$   < 5% and $\Delta ESR$ < 50% of initial value measured at 25°C
Storage Temperature Range	-40 ~ 70 °C	
Life Time at RT <sup>(1)</sup>	10 years	(1)   $\Delta C$   < 30% and $\Delta ESR$ < 150% of specified value, respectively and LC < specified value (2) Cycled between rated voltage and half rated voltage under constant current at 25°C
Cycle Life (25°C) <sup>(1)(2)</sup>	1,000,000 cycles	

\* Life time is a provisional value

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