



NESSCAP® Ultracapacitor Products

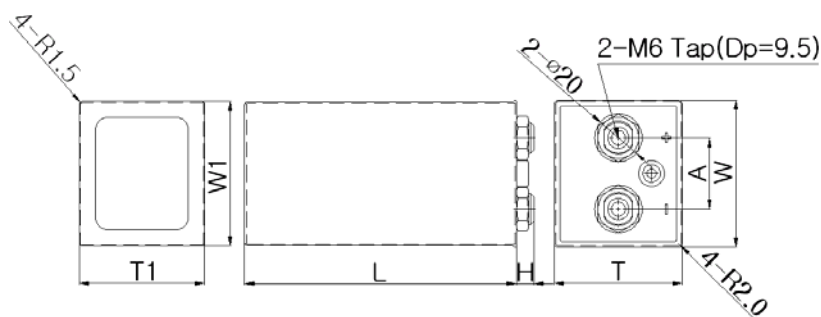
Features

EDLC(Electric Double Layer Capacitor)
Two screw terminals and prismatic design
Compliant with RoHS requirement (Ex : Cd, Pb)



Dimension

Dimension in mm (not to scale)



Capacitance	Dimension (mm)						
	L (+2.0)	W (+2.0)	W1 (+1.0)	T (+2.0)	T1 (+1.0)	H (±0.5)	A (±0.1)
600F	90	60	60	28	28	8	30
1700F	165	60	60	28	28	8	30
3500F	165	60	60	52	52	8	30
5000F	165	60	60	72	72	8	30

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(100Hz)	DC	1 sec discharge rate to 1/2V _R	72hours, 25°C	at V _R	Gravimetric		
600F	< 0.64	< 0.83	541	1.7	0.608	2.90	210	ESHSP-0600C0-002R7
1700F	< 0.50	< 0.65	1,090	2.4	1.721	4.47	385	ESHSP-1700C0-002R7
3500F	< 0.28	< 0.36	2,091	5.5	3.544	5.17	685	ESHSP-3500C0-002R7
5000F	< 0.25	< 0.33	2,547	8.1	5.063	5.44	930	ESHSP-5000C0-002R7

Rated Voltage, V _R	2.7 V	
Surge Voltage	2.85 V	
Capacitance Tolerance	0% / +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

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ISO 9001, ISO 14001, TS 16949