



CEEA SERIES

■ Features

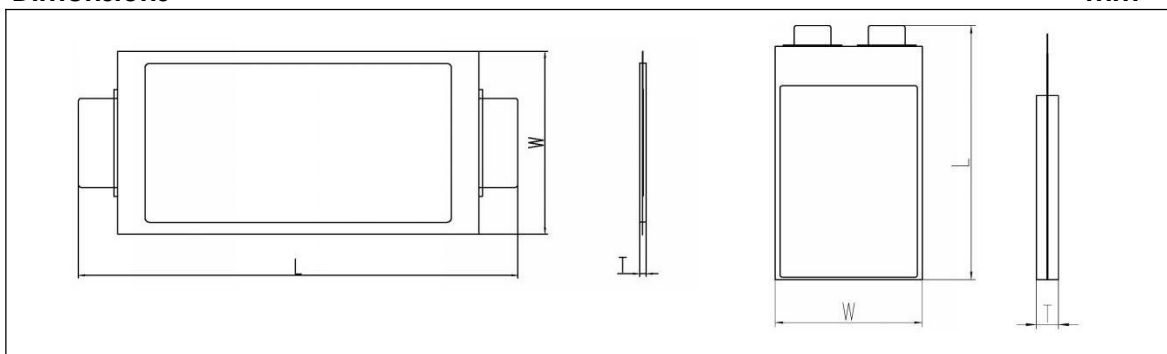
- Lower ESR ,
- Wider temperature range
- High energy density
- High power density
- RoHS compliant



Items	Characteristics		
Rated Voltage	2.5V~4.0V		
Operating Temperature Range	-25 ~+55°C		
Surge Voltage	4.35V		
Capacitance Range	1000~16000 F		
Capacitance Tolerance (25°C)	-20~+20%		
Temperature Characteristics	The specifications shall be met at category temperature range from -25°C to 55°C	Capacitance range	Within 40% of the value at 25°C
		ESR _{AC}	Less than 400% of the value at 25°C
High Temperature Loaded	The specifications shall be met after rated voltage applied at 55°C for 1000 hours	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value
High Temperature Storage	The specifications shall be met after storage at 55 °C for 1000 hours	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value
Cycle Life	The specifications shall be met after 50,000 cycles at 25 °C , cycle of charge/discharge from 2.5~4.0V.	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value

Dimensions

mm



Standard Ratings for CEEA Series

U _R (Surge Voltage) Code	Rate d Cap. 25°C	Impedance		Rated Current	Self-discharge (72hrs)	Dimension (L*W*T)	P/N
		ESR _{DC}	ESR _{AC} (1KHz)				
(v)	(F)	(mΩ)	(mΩ)	(A)	(V)	(mm)	
	1000	≤20	≤9	5	≥3.92	100 x 71 x 3.0	CEEA4R0108M
	2000	≤9	≤5	10	≥3.92	100 x 71 x 5.5	CEEA4R0208M
4.0	3200	≤5.5	≤3	16	≥3.92	100 x 60 x 9.0	CEEA4R0328M
(4.35)	6000	≤3.5	≤2.5	30	≥3.92	295 x 123 x 3.5	CEEA4R0608M
4R0	10000	≤1.8	≤1.2	50	≥3.92	295 x 123 x 5.5	CEEA4R0109M
	16000	≤1.2	≤1.0	50	≥3.92	295 x 123 x 8.0	CEEA4R0169M