

CECD SERIES

Gold Capacitors | Ultra Capacitors



Features

- Low temperature
- Wider temperature range
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics
Rated Voltage	3.8V~2.5V
Operating Temperature Range	-25 ~+60°C
Surge Voltage	4.2V
Capacitance Range	30~220 F
Capacitance Tolerance (25°C)	-20~+20%
Temperature Characteristics	The specifications shall be met at category temperature range from -25°C to 60°C
High Temperature Loaded	The specifications shall be met after rated voltage applied at 60°C for 1000 hours
High Temperature Storage	The specifications shall be met after storage at 60°C for 1000 hours
Cycle Life	The specifications shall be met after 250,000 cycles at 25 °C , cycle of charge/discharge from 3.8~2.5V.

Dimensions

mm

Technical drawing of a capacitor showing side and top views with dimensions and a table of values.

Side View Dimensions:

- Vent
- Sleeve
- $\phi D \pm 0.05$
- ϕD
- $L + a \text{ max.}$
- 22 Min.
- 5 Min.

Top View Dimensions:

- $p \pm 0.5$

ΦD	10	12.5	16
p	5.0	5.0	7.5
Φd	0.6	0.6	0.8
a	2.0	2.0	2.0

Standard Ratings for CECD Series

U _R (Surge Voltage) Code	Rate d Cap. 25°C	Impedance		Rated Current	Self-discharge Current	Size ΦD×L	P/N
		ESR _{DC}	ESR _{AC} (1KHz)				
(v)	(F)	(mΩ)	(mΩ)	(A)	(μA)	(mm)	
3.8	30	550	250	0.15	1.5	10*16	CECD3R8306M100016E
(4.2)	70	250	100	0.35	2.5	10*25	CECD3R8706M100025E
3R8	120	200	80	0.6	3.5	12.5*25	CECD3R8127M125025E
	220	100	60	1.1	5.5	16*25	CECD3R8227M160025E