



■ Features

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



Items	Characteristics			
Rated Voltage	3 V			
Operating Temperature Range			-40 ~+65°C	(-40 ~+85°C@2.5V)
Surge Voltage	3.2V			
Capacitance Range	3~50 F			
Capacitance Tolerance (25°C)	-10~+30%			
Temperature Characteristics	The specifications shall be met at category temperature range from -40°C to 65°C	Capacitance range		Within 30% of the value at 25°C
		ESR		Less than 2 times of the initial specified value
High Temperature Loaded	The specifications shall be met after rated voltage applied at 65°C for 1000 hours	Capacitance range		Within 30% of the initial value
		ESR		Less than 2 times of the initial specified value
High Temperature Storage	The specifications after storage at hours 65°C shall be met for 1000	Capacitance range		Within 30% of the initial value
		ESR		Less than 2 times of the initial specified value
Cycle Life	The specifications shall be met after 500,000 cycles at 25 °C, cycle of charge/discharge from V_R to $1/2V_R$	Capacitance range		Within 30% of the initial value
		ESR		Less than 2 times of the initial specified value

ΦD	8	10	16	18
p	3.5	5.0	7.5	
Φd	0.6	0.6	0.8	
α	1.5	2.0		

Standard Ratings for CECB Series

U_R (Surge Voltage) Code	Rated Cap 25 °C (F)	Impedance		Leakage Current (72hrs) (mA)	Size ΦD×L (mm)	Weight (g)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
(v)	3	150	80	0.013	8 × 20	1.4	CECB3R0305Q080020E
3 (3.2) 3R0	5	130	70	0.018	10 × 20	2.1	CECB3R0505Q100020E
	7	80	55	0.025	10 × 25	2.3	CECB3R0705Q100025E
	10	60	40	0.040	10 × 30	3.2	CECB3R0106Q100030E
	25	35	25	0.080	16 × 25	7	CECB3R0256Q160025E
	50	22	15	0.150	18 × 40	12.8	CECB3R0506Q180040E