



CECA SERIES

■ Features

- Lower ESR
- Low temperature
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics				
Rated Voltage	2.7V				
Operating Temperature Range				-40~+65°C	(-40~+85°C@2.3V)
Surge Voltage	2.85V				
Capacitance Range	1~100 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	shall 65°C	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

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
- $L \pm a \text{ max.}$
- 15 Min
- 4 Min

Top View Dimensions:

- $p \pm 0.5$

ΦD	8	10	12	12.5	16	18
p	3.5	5.0			7.5	
Φd	0.6	0.6			0.8	
a	1.5	2.0				

Standard Ratings for CECA Series

U _R (Surge Voltage) Code	Rate d Cap. 25°C	Impedance		Leakage Current (72hrs)	Size ΦD×L	Weight	P/N
		ESR _{DC}	ESR _{AC} (1KHz)				
(v)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(g)	-
	1	400	200	0.008	8 x 14	0.8	CECA2R7105Q080014E
	2	250	130	0.010	8 x 14	1	CECA2R7205Q080014E
	3	150	80	0.012	8 x 20	1.4	CECA2R7305Q080020E
	3.3	150	80	0.014	8 x 20	1.5	CECA2R7335Q080020E
	5	130	70	0.016	10 x 20	2.1	CECA2R7505Q100020E
	7	80	55	0.020	10 x 25	2.3	CECA2R7705Q100025E
2.7	10	60	40	0.030	10 x 30	3.2	CECA2R7106Q100030E
(2.85)	10	60	40	0.030	12.5 x 25	3.5	CECA2R7106Q125025E
2R7	25	35	25	0.080	16 x 25	7	CECA2R7256Q160025E
	50	22	15	0.140	18 x 40	12.8	CECA2R7506Q180040E
	60	22	15	0.140	18 x 40	13	CECA2R7606Q180040E
	70	20	14	0.160	18 x 50	15	CECA2R7706Q180050E
	100	18	12	0.180	18 x 60	20	CECA2R7107Q180060E