

Radial lead out Supercapacitors (EA series)

EA SERIES	Radial lead type Product marking: Blue colour sleeve and black print	Applications: Automobiles, Smart control device, Smart TV set, Digital camera, Electric toys
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Specification

Operating temperature	-40°C to +65°C for 2.5V -40°C to +55°C for 2.7V
Capacitor range	3F to 25F
Voltage	2.5/2.7V

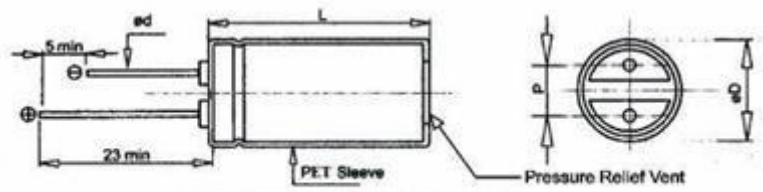
Life test summary

Tests	Life cycle	High temperature load life	Storage temperature characteristics	Vibration resistance	Humidity
Test condition Parameters	Capacitors are cycled between rated voltage and half rated voltage under constant current at +30°C for 300000 cycles	Temperature: +65°C Voltage: Rated voltage Test duration: 1000hrs	Storage duration :2years No load temperature: +35°C	Amplitude :1.5mm Frequency : 10-55Hz Direction : x,y,z for 2 hrs each	Voltage: Rated voltage RH: 90% Temperature:+ 60°C Test duration: 1000hrs
Capacitance	≤ 30% of initial measured value	≤ 30% of initial measured value	≤ 30% of initial measured value	≤ 30% of initial measured value	≤ 30% of initial measured value
ESR	≤ 200% of initial measured value	≤ 200% of initial measured value	≤ 200% of initial measured value	≤ 200% of initial measured value	≤ 200% of initial measured value
Appearance	No remarkable defects	No remarkable defects	No remarkable defects	No remarkable defects	No remarkable defects

Standard rating table

Rated Capacitance (F)	Rated Voltage (V) (+65°C / +55°C)	Dia (mm)	Length (mm)	DCL max at 72hrs(µA)	ESR max @ DC (mΩ)	Peak Current (A)	Max. Continuous current(A)
5	2.5/2.7	10	21	15	180	3.21	1.1
7	2.5/2.7	10	21	20	150	4.61	1.4
10	2.5/2.7	12.5	21	30	75	7.71	2.45
12	2.5/2.7	12.5	21	40	75	8.0	2.6
15	2.5/2.7	12.5	25	50	40	9.2	2.75
18	2.5/2.7	16	25	60	40	9.6	3.4
22	2.5/2.7	16	25	72	32	9.6	4.4
25	2.5/2.7	16	25	84	26	9.6	5.63

Physical outline



With safety Vent on Rubber seal/Aluminium casings.

Dimensional specification

Case Code	Diameter ΦD±0.5(mm)	Length L±1(mm)	Pitch P±0.5(mm)	Lead Dia Φd±0.05(mm)
CG	10	21	5	0.6
CK	10	25	5	0.6
DG	12.5	21	5	0.6
DK	12.5	25	5	0.6
EK	16	25	7.5	0.8

Packing

EA series capacitors are generally BULK PACKED in thick polythene bags which are heat sealed to avoid direct atmospheric exposure. Individual primary packing in polythene bag is provided with a LABEL which carries outgoing Inspection Report No, Work Order No, Capacitor Series, Capacitance Value, Working Voltage, Capacitor tolerance, Capacitor size, Capacitor Part No, Temperature, Quantity and Date of packing.

As a part of continuous development, Design and Specifications are subject to change without notice

IT IS CUSTOMARY TO RETURN THE PACKING LABEL TO THE FACTORY IN CASE OF QUANTITY/QUALITY NON-CONFORMANCE.

Bulk packing quantity details

Size (Ø D X L)	10x21	10x25	12.5x21	12.5x25	16x25
Case code	CG	CK	DG	DK	EK
Nos/ Bag	300	200	200	200	100
Nos/ Carton	1200	1000	800	600	400
Wt. (Kg) 1000 Nos	2.3	2.8	3.6	4.3	6.2