

Snap-In/Lug/Screw Terminal High CV capacitors

GA SERIES	High CV capacitors Product marking: Blue colour sleeve and black print	Applications: Wind power system, LED lightening UPS, Printing machine, Elevator etc.
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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	50F to 500F
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

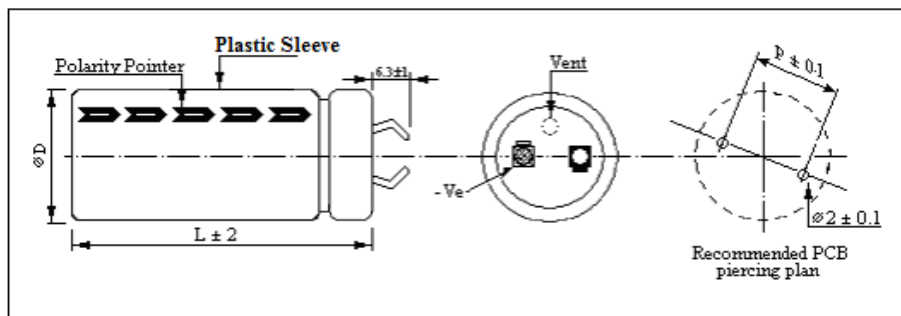
Standard rating table

Snap-in /Lug terminal type

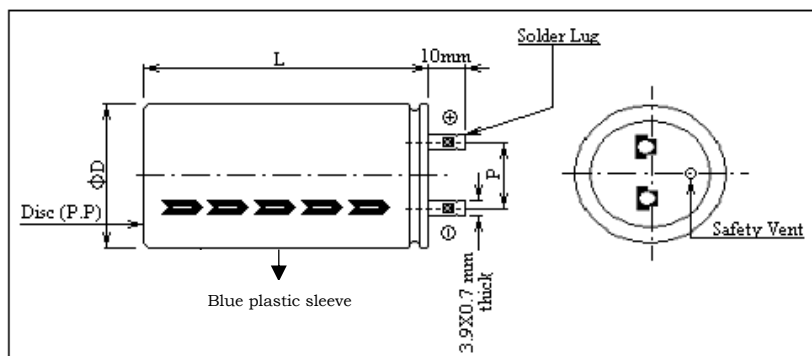
Rated Capacitance (F)	Rated Voltage (V) (+65°C / +55°C)	Dia (mm)	Length (mm)	DCL max at 72hrs(mA)	ESR max @DC (mΩ)	Peak current (A)	Max. continuous current (A)	Max. Energy (Wh)
50	2.5/2.7	25	35	0.22	15	30	12	0.043
60	2.5/2.7	25	35	0.24	15	30	12	0.052
70	2.5/2.7	25	35	0.25	15	35	12	0.061
100	2.5/2.7	25	35	0.3	15	50	15	0.087
200	2.5/2.7	35	55	0.7	14	60	20	0.174
300	2.5/2.7	35	70	0.8	14	75	25	0.26
400	2.5/2.7	35	70	0.9	14	80	25	0.35
450	2.5/2.7	35	70	1.0	14	80	25	0.39
500	2.5/2.7	35	70	1.1	14	80	25	0.434

Physical outline

Snap-in type



Lug terminal type



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

Dimensional specification

Case code		BC	DG	DK
Diameter	$\text{Ø D} \pm 1$ (mm)	25	35	35
Length	$L \pm 2$ (mm)	35	55	70
Pitch	$P \pm 0.1$ (mm)	10	14	14

2.6 Packing

GA Series capacitors are generally packed in PRIMARY cardboard cartons by employing suitable separators to avoid damage during transit. The primary cartons are then inserted into MOTHER cardboard cartons before shipment.

Case code	BC	DG	DK
No.s/Carton	288	81	81