Screw Terminal type

DLCAP™ DXG series

Low Resistance | -40°C | +85°C | RoHS2 Compliant

- It realizes further higher power density.
- DXG series improves the excellent low temperature characteristics, and it also supports high temperature environment (85℃).
- Suitable for electricity storage, battery assistance, short-term backups, etc.
- Also suitable for kinetic energy recapturing, start/stop, low temperature engine cranking application for automobile.

◆SPECIFICATIONS

Items	Specifications		
Operating Temperature	-40℃ ～ +85℃		
Capacitance Tolerance	-0%, +20% (E)		(20℃)
Temperature Characteristics	Capacitance Change	≦±30% of the measured value at 20℃	
	Internal Resistance Change	≦500% of the internal resistance maximum value given in the ratings tables	(-40℃)
Load Life Test	After the capacitors are subjected to the rated DC voltage at 85℃ for 1500 hours, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the capacitance rated value given in the ratings tables	
	Internal Resistance Change	≦200% of the internal resistance maximum value given in the ratings tables	
	After the capacitors are subjected to the rated DC voltage at 70℃ for 3000 hours, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the capacitance rated value given in the ratings tables	
	Internal Resistance Change	≦150% of the internal resistance maximum value given in the ratings tables	
Bias Humidity Test	After the capacitors are left at 60℃ and 90 to 95%RH for 500 hours without voltage applied, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the capacitance rated value given in the ratings tables	
	Internal Resistance Change	≦200% of the internal resistance maximum value given in the ratings tables	

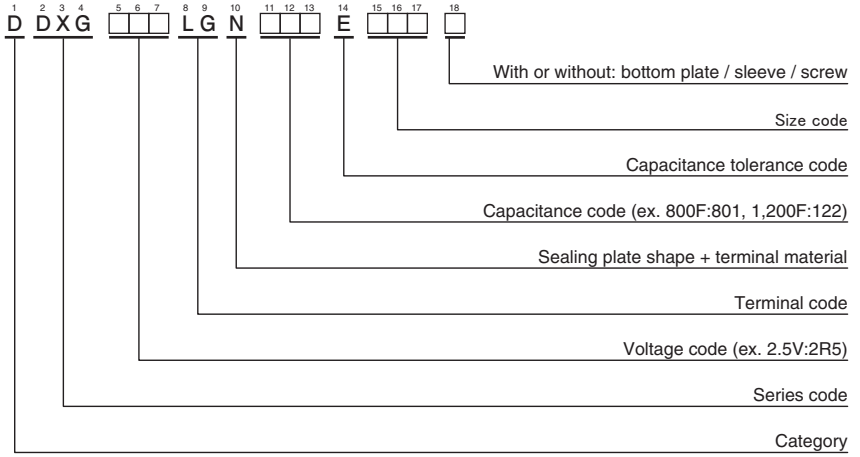
◆STANDARD RATINGS

●DXG series*3

Rated Voltage [V]	Capacitance		Nominal Case Size		Internal Resistance		Weight*1 [g]	Energy Storage*2 [Wh]	Part No.
	Min. (rated) [F]	Typ. [F]	φD [mm]	L [mm]	Typ. [mΩ]	Max. [mΩ]			
2.5	300	330	40	65	1.2	1.6	120	0.3	DDXG2R5LGN301EB65S
	590	650		105	0.7	1.0	200	0.6	DDXG2R5LGN591EBA5S
	910	1000		150	0.5	0.7	280	0.8	DDXG2R5LGN911EBF0S

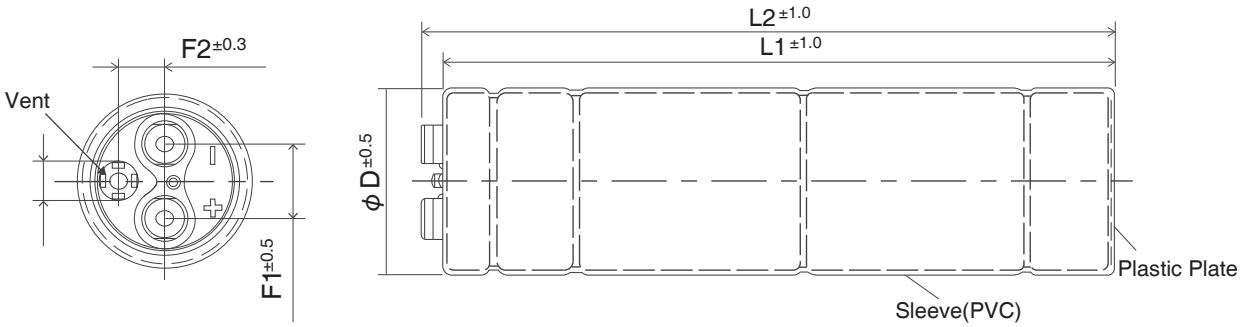
＊1 Reference data
＊2 The energy storage capacity (Wh) described in this product is calculated based on「電気及び電子機器用電気二重層キャパシタの輸送に関する手引書」(Japanese only) by JEITA.
＊3 In the DXG series, the capacity specification are set to the minimum values.

◆PART NUMBERING SYSTEM



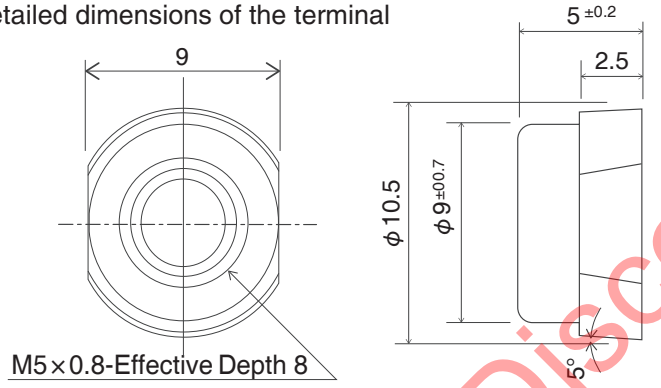
DLCAP™ DXG series

◆DIMENSIONS [mm]



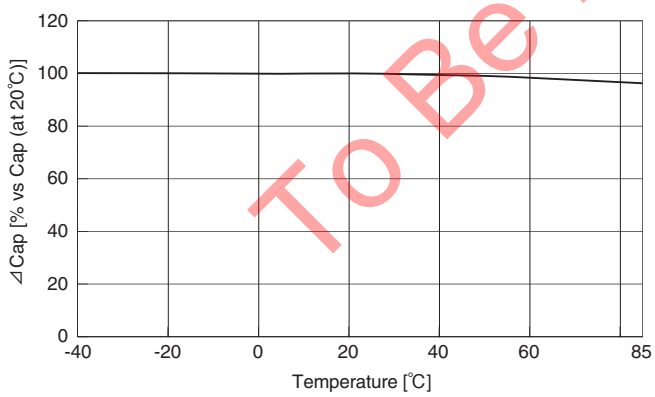
Part No.	φD[mm]	L1 [mm]	L2 [mm]	F1 [mm]	F2 [mm]
DDXG2R5LGN301EB65S	40.4	66	71	17.0	10.5
DDXG2R5LGN591EBA5S		106	111		
DDXG2R5LGN911EBF0S		151	156		

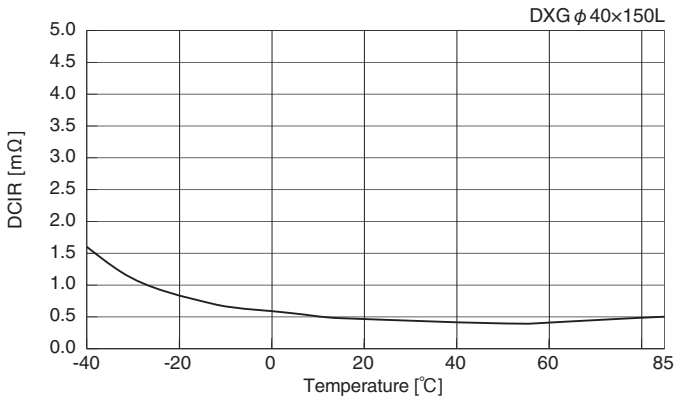
Detailed dimensions of the terminal



＜Screw specification＞
Plus hexagon-headed screw : M5×0.8×10
Maximum screw tightening torque : 3.23 Nm

◆Temperature Characteristics of Capacitance & DCIR





◆85℃ Load Life Test