



ELECTRIC DOUBLE LAYER CAPACITOR

DLCAP™ DLE series



• Suitable for electricity storage, short-term backups, etc.



◆ SPECIFICATIONS

Items	Specifications	
Operating Temperature	-25°C ~ +60°C	
Capacitance Tolerance	±10% (K) (20°C)	
Temperature Characteristics	Capacitance Change	≤ ±30% of the measured value at 20°C
	Internal Resistance Change	≤ 600% of the internal resistance maximum value given in the ratings tables (-25°C)
Load Life Test	After the capacitors are subjected to the rated DC voltage at 60°C for 2000 hours, the following specifications shall be satisfied when they are restored to 20°C .	
	Capacitance Change	≤ ±30% of the initial measured value at 20°C
	Internal Resistance Change	≤ 300% of the internal resistance maximum value given in the ratings tables
Bias Humidity Test	After the capacitors are left at 40°C and 90 to 95%RH for 500 hours without voltage applied, the following specifications shall be satisfied when they are restored to 20°C .	
	Capacitance Change	≤ ±30% of the initial measured value at 20°C
	Internal Resistance Change	≤ 300% of the internal resistance maximum value given in the ratings tables

◆ STANDARD RATINGS

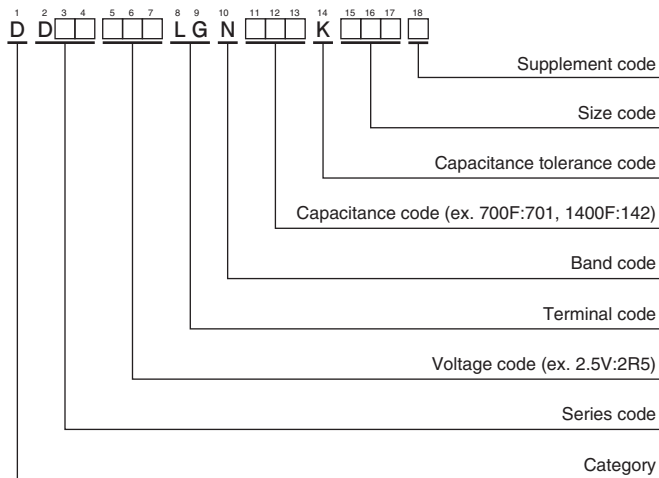
● DLE series

Rated Voltage [V]	Capacitance		Nominal Case Size		Internal Resistance		Weight ^{*1} [g]	Energy Storage ^{*2} [Wh]	Part No.
	Rated [F]	Min. [F]	φ D [mm]	L [mm]	Typical [mΩ]	Max. [mΩ]			
2.5	350	315	35	65	6.5	8.0	90	0.4	DDLE2R5LGN351KA65S
	700	630		105	4.0	4.8	150	0.7	DDLE2R5LGN701KAA5S
	1400	1260	40	150	2.4	2.9	280	1.3	DDLE2R5LGN142KBF0S
	2300	2070	50	172	1.2	1.44	470	2.0	DDLE2R5LGN232KCH2S

* 1 Reference data

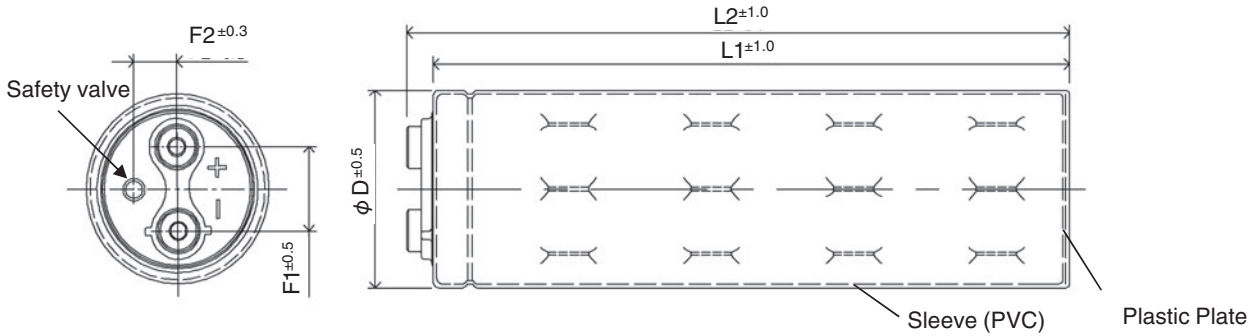
* 2 The energy storage capacity (Wh) described in this product is calculated based on "Guidebook on Transportation of Electric Double Layer Capacitors for Electrical and Electronic Equipment (JEITA)".

◆ PART NUMBERING SYSTEM



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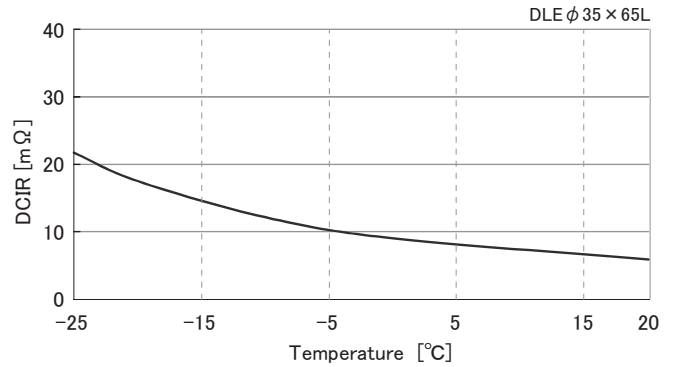
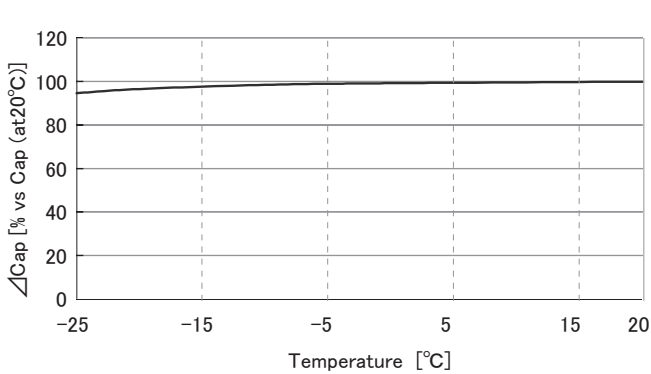
◆ DIMENSIONS (CE331) [mm]



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

Part No.	ϕD [mm]	L 1 [mm]	L2 [mm]	F1 [mm]	F2 [mm]
DDLE2R5LGN351KA65S	35.4	66	72.5	12.7	8.7
DDLE2R5LGN701KAA5S		106	112.5		
DDLE2R5LGN142KBF0S	40.4	151	157.5	17.0	10.2
DDLE2R5LGN232KCH2S	50.4	173	181.5	22.1	11.9

◆ Temperature Characteristics of Capacitance & DCIR



◆ 60°C Load Life Test

