

**DLCAP™ DLE Series**



**2.5V High power type**



- With the original electrode process, high energy density implementation is possible
- Charge/discharge efficiency are higher than in batteries
- Environment-friendly
- Suited for electricity storage, battery assistance, short-term backups, etc.

◆SPECIFICATIONS

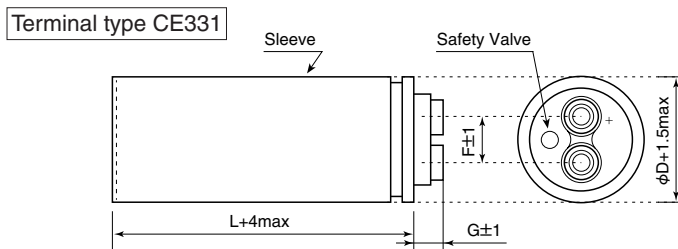
| Items                       | Specifications  |   |
|-----------------------------|---|---|
| Operating Temperature       | -25°C to +60°C  |   |
| Rated Voltage               | 2.5V <sub>dc</sub>  |   |
| Capacitance Tolerance       | ±10% (K) (at 20°C)  |   |
| Temperature Characteristics | Capacitance change  | ≤±30% of the initial measured value at 20°C               |
|                             | Internal Resistance   | ≤600% of the value given in the Ratings Tables (at -25°C) |
| Load Life Test              | After the capacitors are subjected to the rated DC voltage at 60°C for 2,000 hours, the following specifications shall be satisfied when the capacitors are restored to 20°C. |   |
|                             | Capacitance change  | ≤±30% of the initial measured value                       |
|                             | Internal Resistance   | ≤200% of the value given in the Ratings Table             |
| Bias Humidity Test          | After the capacitors are subjected to the rated DC voltage at 40°C and 90 to 95%RH for 500 hours, the following specifications shall be satisfied when restoring to 20°C.     |   |
|                             | Capacitance change  | ≤±30% of the initial measured value                       |
|                             | Internal Resistance   | ≤200% of the value given in the Ratings Tables            |

◆STANDARD RATINGS

| Rated Voltage [V] | Capacitance [F] | Case Size |        | F [mm] | G [mm] | Internal Resistance* [mΩ] | Weight** [g] | Part No.           |
|-------------------|-----------------|-----------|--------|--------|--------|---------------------------|--------------|--------------------|
|                   |                 | φD [mm]   | L [mm] |        |        |                           |              |                    |
| 2.5               | 640             | 35        | 105    | 12.7   | 6.0    | 4                         | 160          | DDLE2R5LGN641KAA5S |
|                   | 1,200           | 40        | 150    | 17.0   |        | 2                         | 280          | DDLE2R5LGN122KBF0S |
|                   | 2,300           | 50        | 172    | 22.4   | 7.0    | 1.2                       | 490          | DDLE2R5LGN232KCH2S |

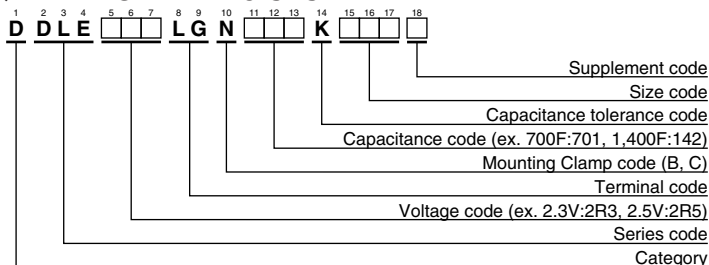
\* typical data (at 20°C) \*\* reference data

◆DIMENSIONS [mm]



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

◆PART NUMBERING SYSTEM



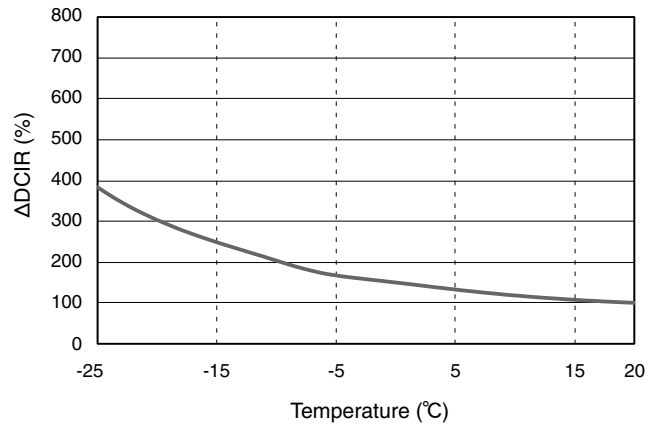
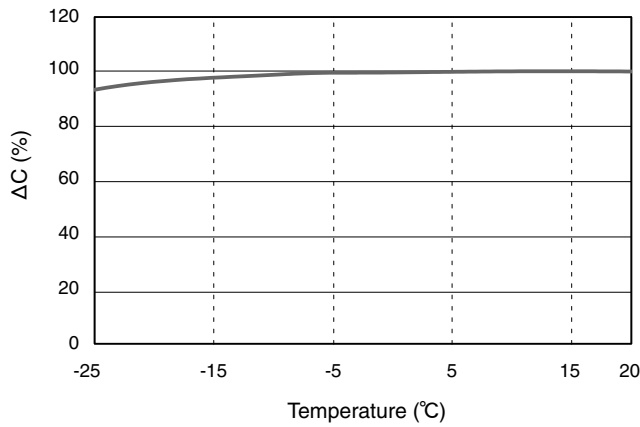
Please refer to "A guide to global code (screw-mount terminal type)"

Special designs are available on requests.

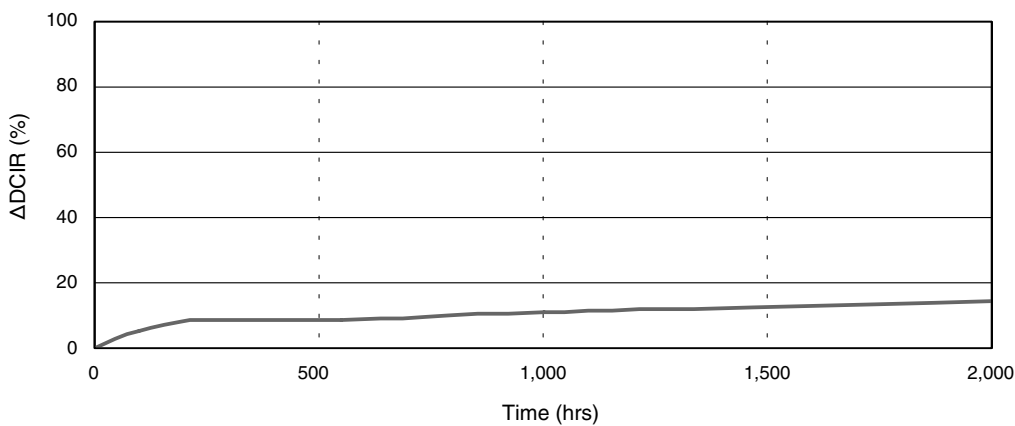
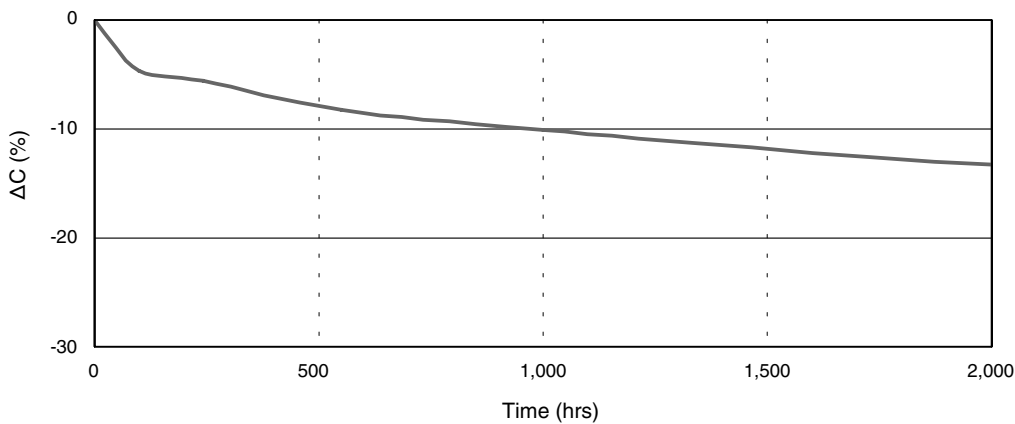
Note : The specifications are subject to change without notice

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◆Temperature dependence of Capacitance & DCIR



◆60°C Load Life Test



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