

DLCAP™ DSC Series



2.5V Super low resistance 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

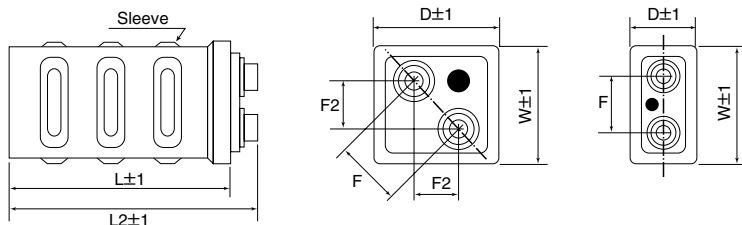
Items	Specifications
Operating Temperature	-30°C to +60°C
Rated Voltage	2.5V _{dc}
Capacitance Tolerance	±10% (K) (at 20°C)
Temperature Characteristics	Capacitance change ≤±30% of the initial measured value at 20°C
	Internal Resistance ≤600% of the value given in the Ratings Tables (at -25°C)
Load Life 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]	F2 [mm]	Internal Resistance* [mΩ]	Weight** [g]	Part No.
		W×D [mm]	L [mm]	L2 [mm]					
2.5	1,800	54×54	98	109	27.15	19.2	0.9	410	DDSC2R5LGN182K54AS
	2,400		128	139			0.7	520	DDSC2R5LGN242K54BS
	900	54×30	98	107	27.4	-	1.8	230	DDSC2R5LGN901K30AS
	1,200		128	135			1.4	290	DDSC2R5LGN122K30BS

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

◆DIMENSIONS [mm]



<Screw specification>

Plus hexagon-headed screw :

M5×0.8×10 (54×30type)

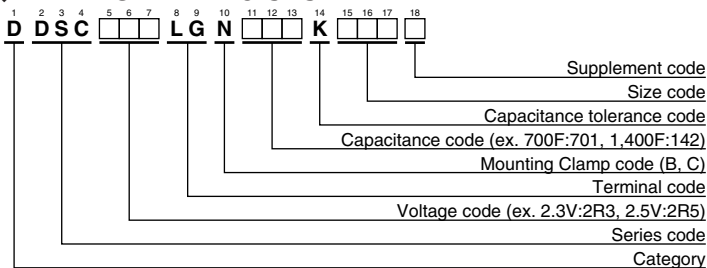
M6×1.0×12 (54×54type)

Maximum screw tightening torque :

3.23Nm (M5/54×30type)

4.2Nm (M6/54×54type)

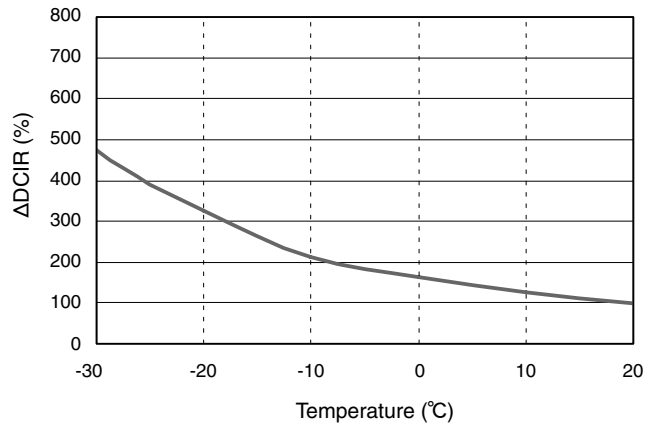
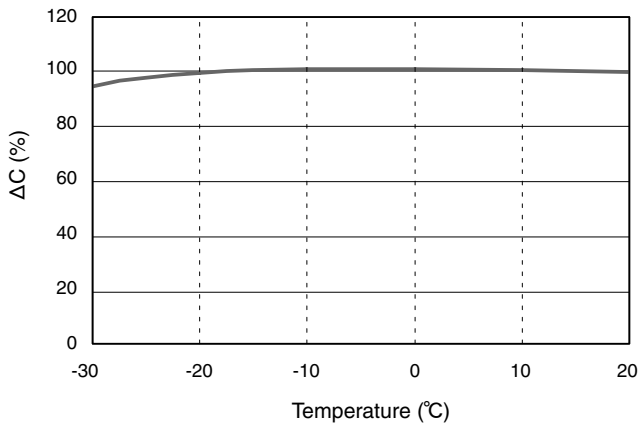
◆PART NUMBERING SYSTEM



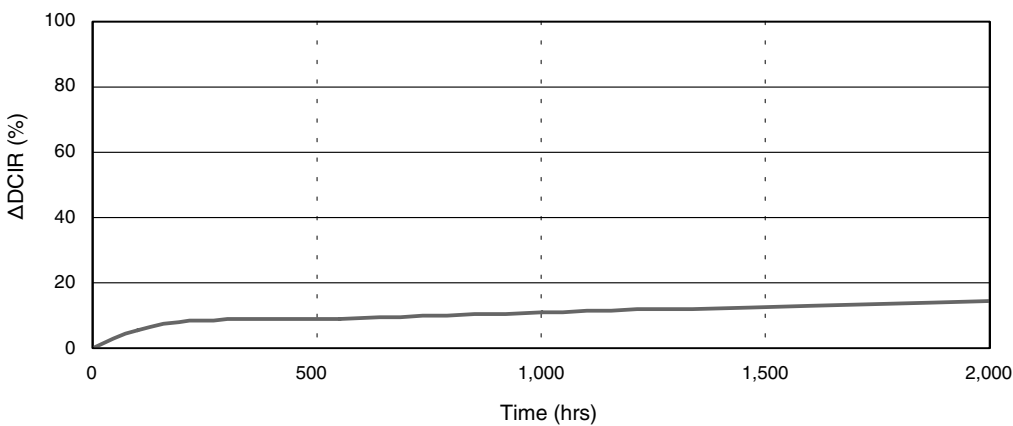
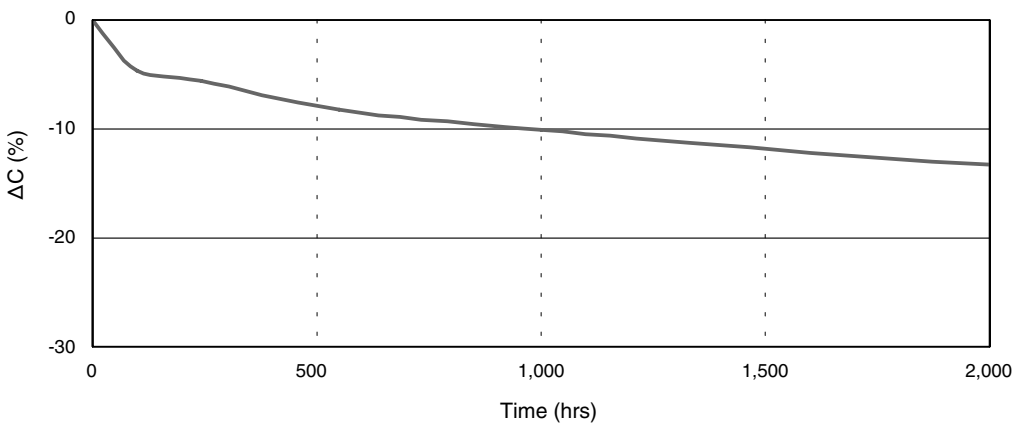
Please refer to "A guide to global code (screw-mount terminal type)"

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◆Temperature dependence of Capacitance & DCIR



◆60°C Load Life Test



Special designs are available on requests.

Note : The specifications are subject to change without notice