



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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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

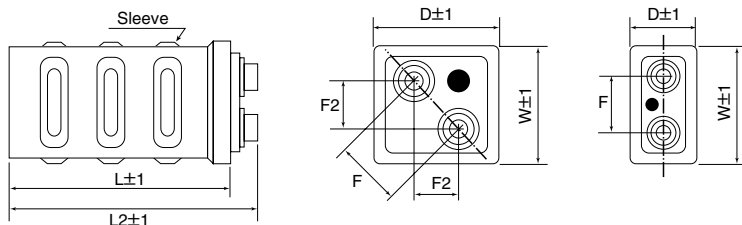
Items	Specifications
Operating Temperature	-30°C to +60°C
Rated Voltage	2.5V <sub>dc</sub>
Capacitance Tolerance	±10% (K) (at 20°C)
Temperature Characteristics	Capacitance change ≤±30% of the initial measured value at 20°C
	Internal Resistance ≤600% of the value given in the Ratings Tables (at -25°C)
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]	F2 [mm]	Internal Resistance* [mΩ]	Weight** [g]	Part No.
		WXD [mm]	L [mm]	L2 [mm]					
2.5	1,800	54x54	98	109	27.15	19.2	0.9	410	DDSC2R5LGN182K54AS
	2,400		128	139			0.7	520	DDSC2R5LGN242K54BS
	900	54x30	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)

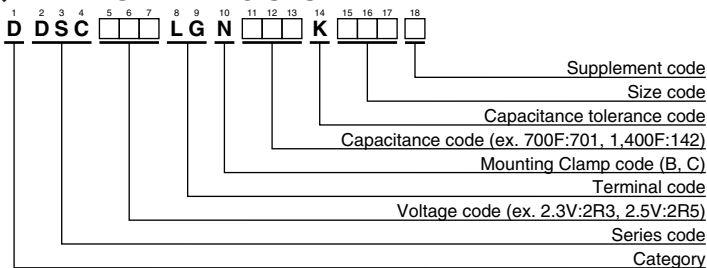
M6×1.0×12 (54×54type)

Maximum screw tightening torque :

3.23Nm (M5/54×30type)

4.2Nm (M6/54×54type)

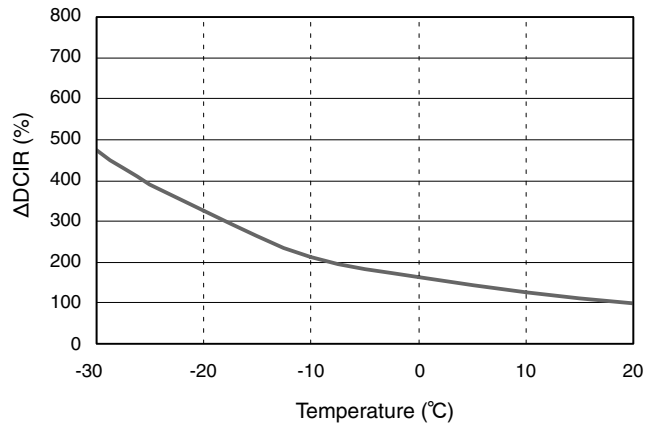
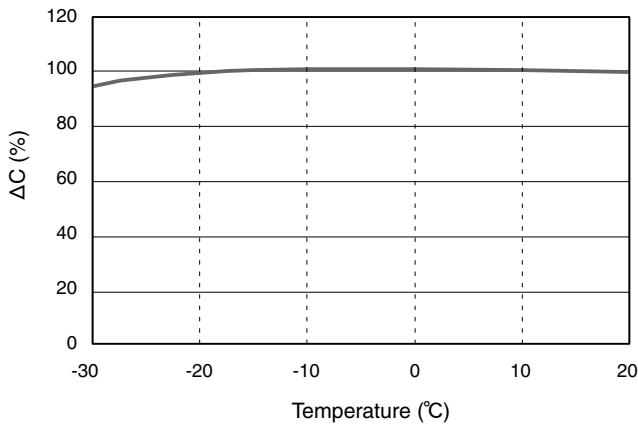
◆PART NUMBERING SYSTEM



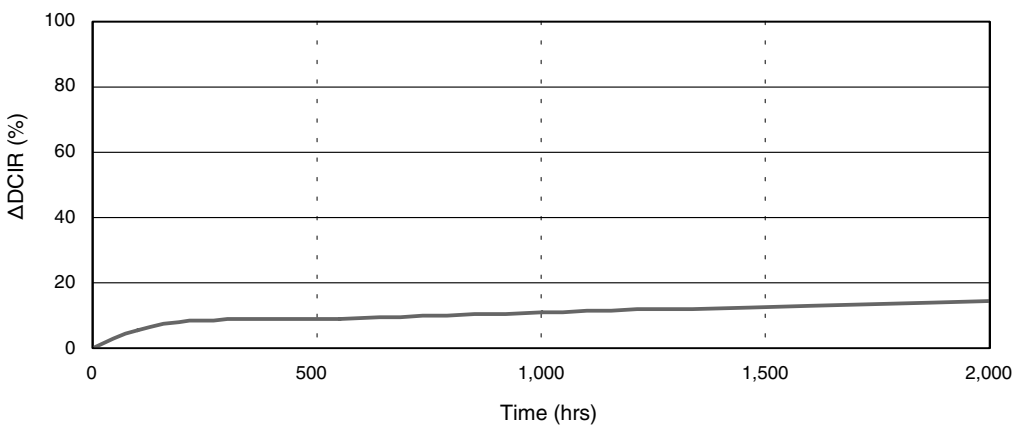
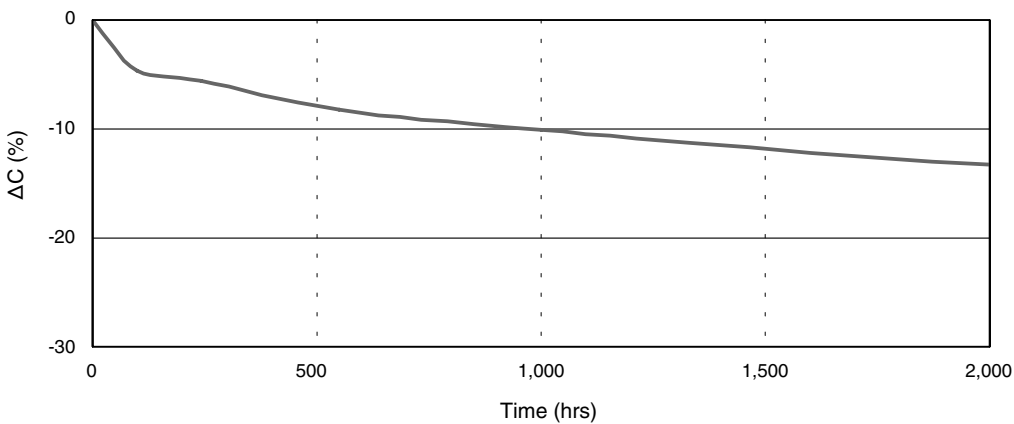
Please refer to "A guide to global code (screw-mount terminal type)"

**DLCAP™ DSC Series**

◆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