

DLCAP™ DKG series



- Improved rated Voltage 2.5 ⇒ 2.7V
- Long life products 2.7V 65°C 2000h warranty/2.5V 70°C 2000h warranty
- Space saving with smaller volume when moduled
- Suitable for electricity backups

◆ SPECIFICATIONS

Items	Specifications	
Operating Temperature	- 40 ~ + 65°C	
Capacitance Tolerance	± 10% (K) (25°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 (-40°C)
Load Life Test	After the capacitors are subjected to the rated DC voltage 2.7V at 65°C for 2,000 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	≤ 200% of the internal resistance maximum value given in the ratings tables
	After the capacitors are subjected to the DC 2.5V at 70°C for 2,000 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	≤ 200% of the internal resistance maximum value given in the ratings tables
Bias Humidity Test	After the capacitors are left at 60°C and 90 to 95%RH for 500 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	≤ 200% of the internal resistance maximum value given in the ratings tables

◆ STANDARD RATINGS

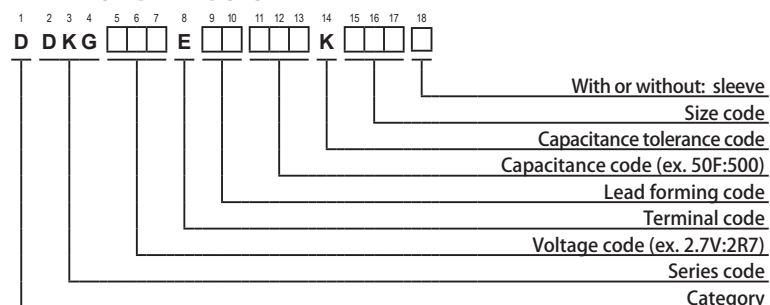
● DKG series

Rated Voltage [V]	Capacitance Typ. (rated) [F]	Nominal Case Size		DCIR		Weight *1 [g]	Energy Storage [Wh]	Part No.
		Φ D [mm]	L [mm]	Typ. [mΩ]	Max. [mΩ]			
2.7	50	18	40	16.0	19.2	14	0.04	DDKG2R7ELL500KM40U
2.7	50	18	50	13.0	15.6	19	0.04	DDKG2R7ELL500KM50U

*1 Reference data

*2 Without sleeve is the basic specification. Consult separately about product with a sleeve.

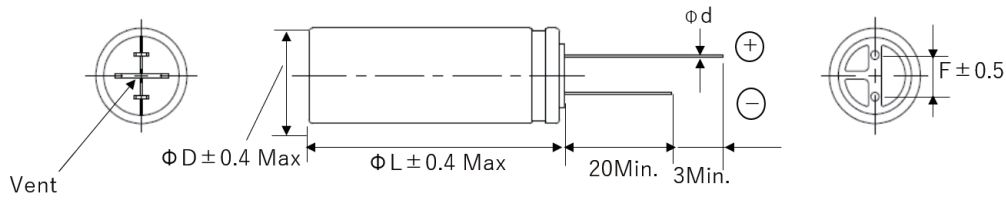
◆ PART NUMBERING SYSTEM



Please consult us for sample and mass production schedule. The specifications are subject to change without notice.

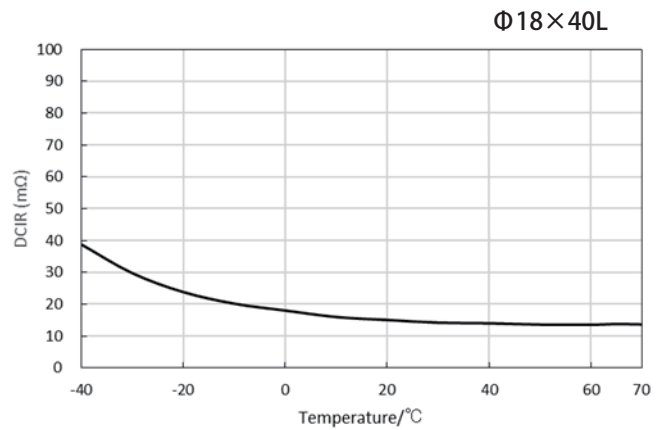
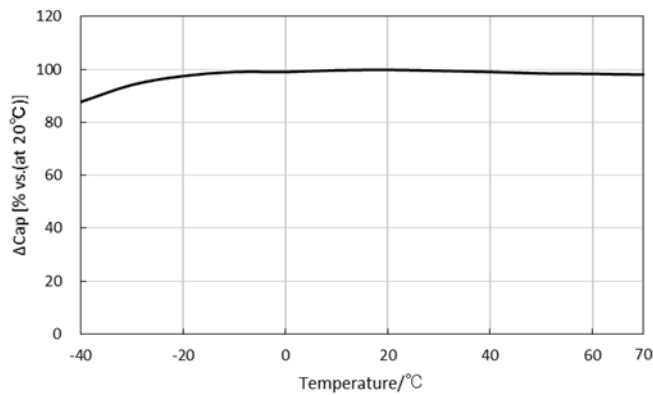
DLCAP™ DKG series

◆ DIMENSIONS [mm]

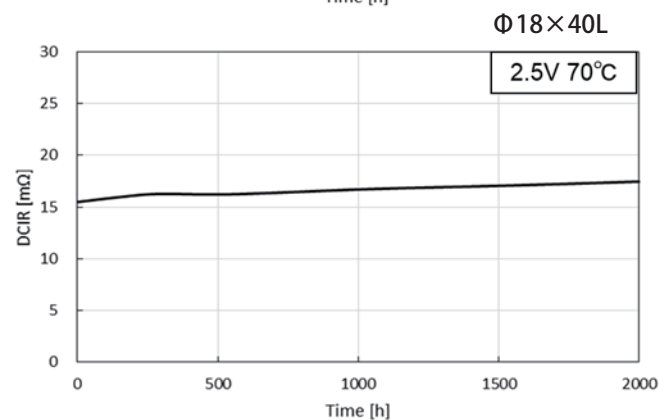
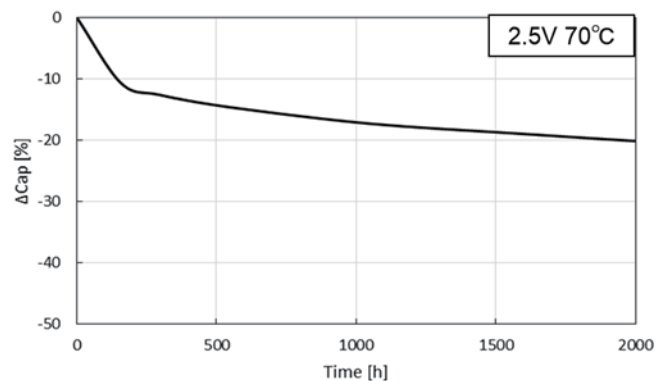
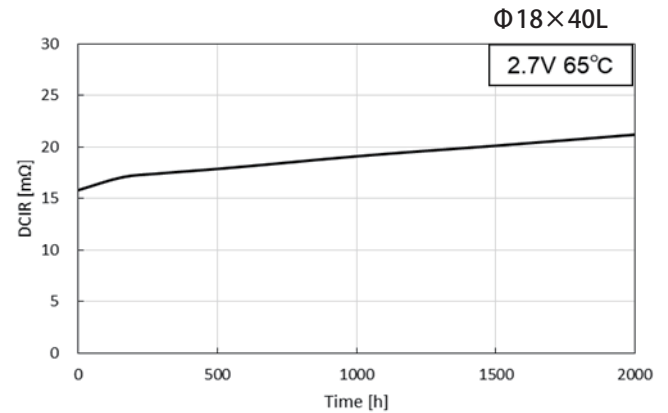
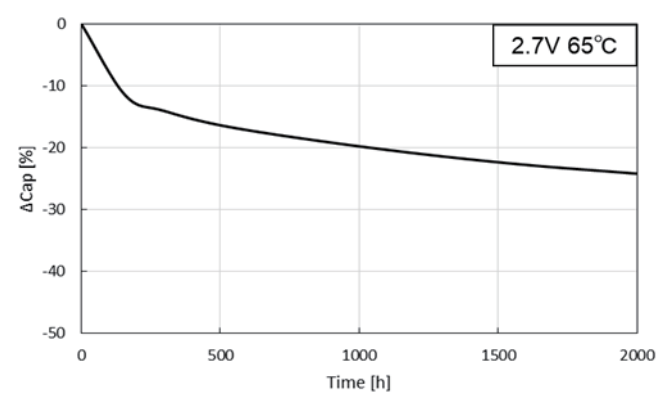


Part No.	Φ D [mm]	L [mm]	F [mm]	Φ d [mm]
DDKG2R7ELL500KM40U	18	40	7.5	0.8
DDKG2R7ELL500KM50U	18	50	7.5	0.8

◆ Temperature Characteristics of Capacitance & DCIR



◆ Load Life Test



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