

DLCAP™ 2 Cells Module (Radial Lead type)



For an easy usage of Electric Double Layer Capacitor DLCAP™, we have prepared modules (Radial lead type).

● Application Examples

- Electricity assist for battery
- Momentary power supply at power failure
- Back up for power source failure

● DLCAP™ Module

◆ FEATURES

- Equipped with two $\Phi 18 \times 50L$ (50F) DKA series cells with sleeve
- Board mounting of products by snap-fit



◆ SPECIFICATIONS

Items	Specifications	
Operating Temperature	-40°C ~ +70°C	
Capacitance Tolerance	$\pm 10\%$, -15% (20°C)	
Temperature Characteristics	Capacitance Change	$\leq \pm 30\%$ of the measured value at 20°C
	Internal Resistance Change	$\leq 600\%$ 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 at 70°C for 1000 hours, the following specifications shall be satisfied when they are restored to 20°C.	
	Capacitance Change	$\leq \pm 30\%$ of the initial measured value at 20°C
	Internal Resistance Change	$\leq 200\%$ of the internal resistance maximum value given in the ratings tables
	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	$\leq \pm 30\%$ of the initial measured value at 20°C
	Internal Resistance Change	$\leq 200\%$ 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 without voltage applied, the following specifications shall be satisfied when they are restored to 20°C.	
	Capacitance Change	$\leq \pm 30\%$ of the initial measured value at 20°C
	Internal Resistance Change	$\leq 200\%$ of the internal resistance maximum value given in the ratings tables

◆ STANDARD RATINGS

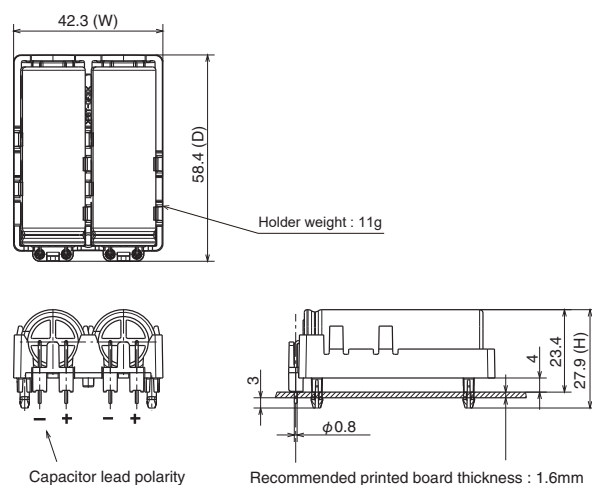
Rated Voltage [V]*1	Capacitance*1 Typ. [F]	Product Size			Internal Resistance*1		Weight*2 [kg]	Energy Storage*1*3 [Wh]	Part No.
		W [mm]	D [mm]	H [mm]	Typ. [mΩ]	Max. [mΩ]			
2.5	50	42.3	58.4	27.9	11	13.2	0.047	0.05	MDKA2R5T500PN1111A

* 1 Per single cell

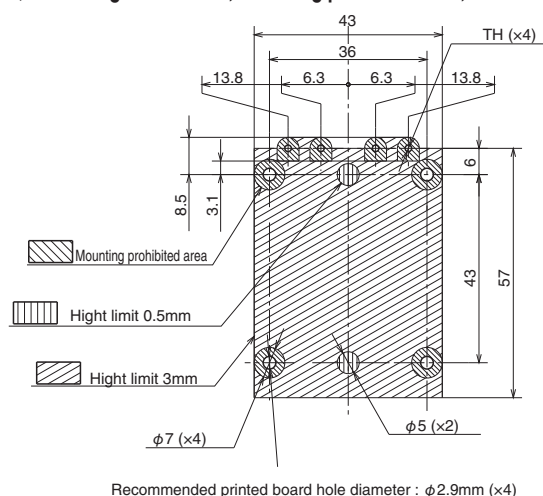
* 2 Reference data

* 3 Energy Storage (Wh) is calculated based on 「電気及び電子機器用電気二重層キャパシタの輸送に関する手引書」 (Japanese only) by JEITA.

◆ DIMENSIONS



◆ Mounting dimensions, mounting prohibited area, mounting limit height.



● Series and or parallels connection of DLCAP™ Module

This module can be connected and used in series and parallel if necessary. If you need to connect more than 12 pieces in series please consult us.

● DLCAP™ Custom Module Acceptable

Customized designs for system integration are available upon request.

Please consult us for other special specifications.