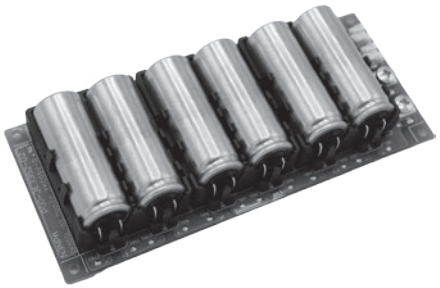
DLCAP™ Module (Radial Lead type)

Low Resistance | +70°C | RoHS2 Compliant

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

- Voltage balancing circuit installed
- Over voltage detection circuit installed
- Equipped with six Φ 18x50L (50F) DKA series cells with sleeve

◆SPECIFICATIONS

Items	Specifications		
Operating Temperature	-40℃ ～ +70℃		
Capacitance Tolerance	±10%, -15%		(20℃)
Temperature Characteristics	Capacitance Change	≦±30% of the measured value at 20℃	
	Internal Resistance Change	≦600% of the internal resistance maximum value given in the ratings tables	(-40℃)
Load Life Test	After the capacitors are subjected to the rated DC voltage at 70℃ for 1000 hours, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the initial measured value at 20℃	
	Internal Resistance Change	≦200% of the internal resistance maximum value given in the ratings tables	
	After the capacitors are subjected to the rated DC voltage at 60℃ for 2000 hours, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the initial measured value at 20℃	
	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℃ and 90 to 95%RH for 500 hours without voltage applied, the following specifications shall be satisfied when they are restored to 20℃.		
	Capacitance Change	≦±30% of the initial measured value at 20℃	
	Internal Resistance Change	≦ 200% of the internal resistance maximum value given in the ratings tables	

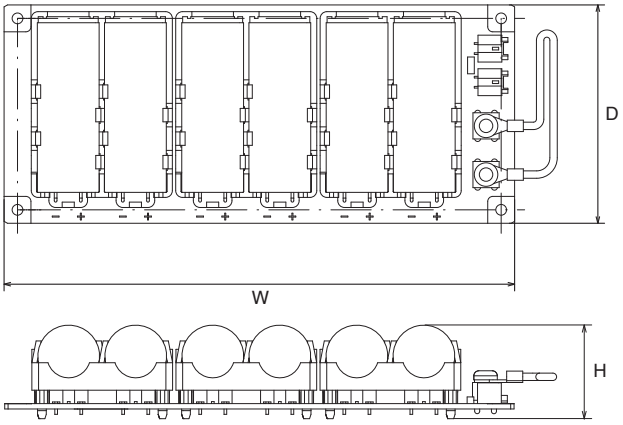
◆STANDARD RATINGS

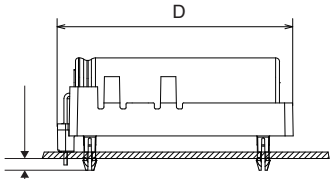
Rated Voltage [V]	Capacitance		Product Size			Internal Resistance		Weight*1 [kg]	Energy Storage*2 [Wh]	Part No.
	Typ. [F]	Min. [F]	W [mm]	D [mm]	H [mm]	Typ. [mΩ]	Max. [mΩ]			
15	8.3	7.1	152	65	28	74.2	87.4	0.2	0.26	MDKA150S8R3PE6111A

＊1 Reference data

＊2 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





Dimension under the PWB
3mm or less

◆Screw Specification

Screw : M4

Tightning torque : 1.5 Nm±10%

● **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 5 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.

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.