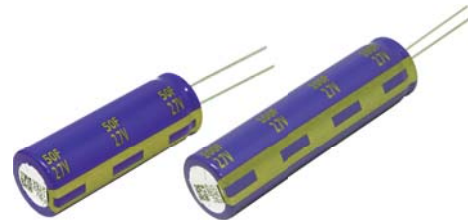


Radial Lead Type

Series : **HL**



! This series is not a recommended product.
Not recommended for new design.

Features

- Low resistance
- 2.7 V.DC
- Guaranteed at 65 °C 2000 h
- Low temperature -40 °C guaranteed
- RoHS compliant

Recommended Applications

- Backup power supply of server, storage
- Driver assist of motor, actuator
- Auxiliary power supply of solar power (Road stand, Street light)

Specifications

Category temp. range	-40 °C to +65 °C		
Maximum operating voltage	2.7 V.DC		
Nominal cap. range	50 F	100 F	
Characteristics at low temprature	Capacitance change	±30 % of initial measured value at +20 °C (at -40 °C)	
	Internal resistance	≤ 7 times of initial specified value. (at -40 °C)	
Endurance	After 2000 hours application of 2.7 V.DC at +65 °C		
	Capacitance change	Within ±30 % of the initial value	
	Internal resistance	≤ 2 times of initial specified value.	
Shelf life	After 1000 hours storage at +85 °C 1000 h without load (voltage)		
	Capacitance change	Within ±30 % of the initial value	
	Internal resistance	≤ 2 times of initial specified value.	

Dimensions (not to scale)

Unit : mm

Capacitance (F)	φD	L	φd	P
50	18.0	50.0	0.8	7.5
100	18.0	70.0	0.8	7.5

Characteristics list

Category temp. range (°C)	Maximum operating voltage (V.DC)	Capacitance (F)	Capacitance tolerance (F)	Internal resistance (Initial specified value) (Ω) at 1 kHz	Recommended *1 discharge current	Parts number	Mass (Reference value) (g)	Min. Packaging Q'ty (pcs)
-40 to +65	2.7	50	40 to 60	≤ 0.015	≤ 10 A	EECHL0E506	19	100
		100	80 to 120	≤ 0.010	≤ 15 A	EECHL0E107	25	100

*1 The recommended discharge current is a reference value. Please design your equipment (circuit) in consideration of IR drop.

Do not use reflow soldering. Please refer to the page of "Application guidelines".

Remark1: Install the space of 2 mm or more in the upper part of the product so as not to disturb the movement of the pressure valve.

Guidelines and precautions regarding the technical information and use of our products described in this online catalog.

- If you want to use our products described in this online catalog for applications requiring special qualities or reliability, or for applications where the failure or malfunction of the products may directly jeopardize human life or potentially cause personal injury (e.g. aircraft and aerospace equipment, traffic and transportation equipment, combustion equipment, medical equipment, accident prevention, anti-crime equipment, and/or safety equipment), it is necessary to verify whether the specifications of our products fit to such applications. Please ensure that you will ask and check with our inquiry desk as to whether the specifications of our products fit to such applications use before you use our products.
- The quality and performance of our products as described in this online catalog only apply to our products when used in isolation. Therefore, please ensure you evaluate and verify our products under the specific circumstances in which our products are assembled in your own products and in which our products will actually be used.
- If you use our products in equipment that requires a high degree of reliability, regardless of the application, it is recommended that you set up protection circuits and redundancy circuits in order to ensure safety of your equipment.
- The products and product specifications described in this online catalog are subject to change for improvement without prior notice. Therefore, please be sure to request and confirm the latest product specifications which explain the specifications of our products in detail, before you finalize the design of your applications, purchase, or use our products.
- The technical information in this online catalog provides examples of our products' typical operations and application circuits. We do not guarantee the non-infringement of third party's intellectual property rights and we do not grant any license, right, or interest in our intellectual property.
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- When you use the inventory of our products for which it is unclear whether those products are compliant with the RoHS Directive/REACH Regulation, please select "Sales Inquiry" in the website inquiry form and contact us.

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