



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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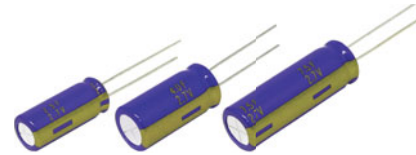
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Radial Lead Type

Series : **HL**
Small size



Features

- Guaranteed 70 °C 2.7 V.DC 2000 h
Guaranteed 85 °C 2.5 V.DC 1000 h
- Low resistance : 30 mΩ max. (1 kHz)*1
- Low temperature : -40 °C guaranteed
- RoHS compliant

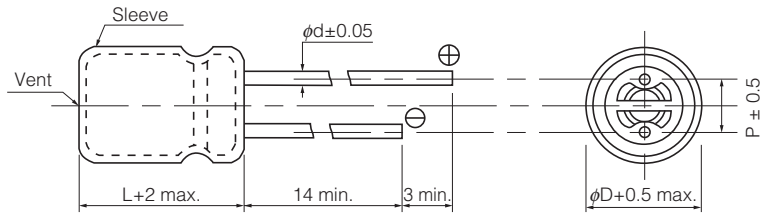
Recommended Applications

- Backup power supply of E-meter, storage (SSD)
- Driver assist of motor, actuator
- Backup for power supply of drive recorder, emergency brake, door lock releasing device

Specifications

Category temp. range	-40 °C to +70 °C (+85 °C)		
Maximum operating voltage	2.7 V.DC (2.5 V.DC)		
Nominal cap. range	2.5 F	4.0 F	7.5 F
Characteristics at low temperature	Capacitance change	±30 % of initial measured value at +20 °C (at -40 °C)	
	Internal resistance	≤ 4 times of initial specified value. (at -40 °C)	
Endurance 1	After 2000 hours application of 2.7 V.DC at +70 °C		
	Capacitance change	Within ±40 % of the initial value	
Endurance 2	After 1000 hours application of 2.5 V.DC at +85 °C		
	Capacitance change	Within ±40 % of the initial value	
Shelf life	After 1000 hours storage at +85 °C 1000 h without load (voltage)		
	Capacitance change	Within ±40 % of the initial value	
	Internal resistance	≤ 4 times of initial specified value.	

Dimensions (not to scale)



Capacitance (F)	φD	L	φd	P
2.5	8.0	20.0	0.6	3.5
4.0	10.0	20.0	0.6	5.0
7.5	10.0	30.0	0.6	5.0

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 *2 discharge current	Parts number	Mass (Reference value) (g)	Min. Packaging Q'ty (pcs)
-40 to +70 (+85)	2.7 (2.5)	2.5	2.0 to 3.0	≤ 0.07	≤ 2.5 A	EECHL0E255	1.5	200
		4.0	3.2 to 4.8	≤ 0.05	≤ 3.5 A	EECHL0E405	2.3	200
		7.5	6.0 to 9.0	≤ 0.03	≤ 6.0 A	EECHL0E755	3.4	200

*1 φ10×L30

*2 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.