

Electric Double Layer Capacitors (Gold Capacitor)

Japan

Series: **AL**



■ Features

- Low internal resistance, 1/10 of series NA
- For back-up on ampere order

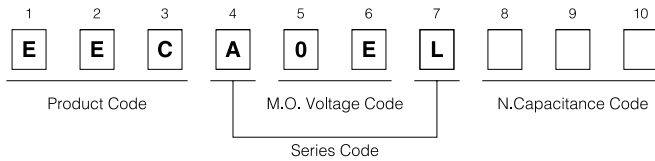
■ Recommended Applications

- Computer (memory back-up of HDD or FDD motor drive computer)
- For ignition of gas equipment (gas motor heaters, oven, range gas cooker)
- Toys (Quick charge motor drive)

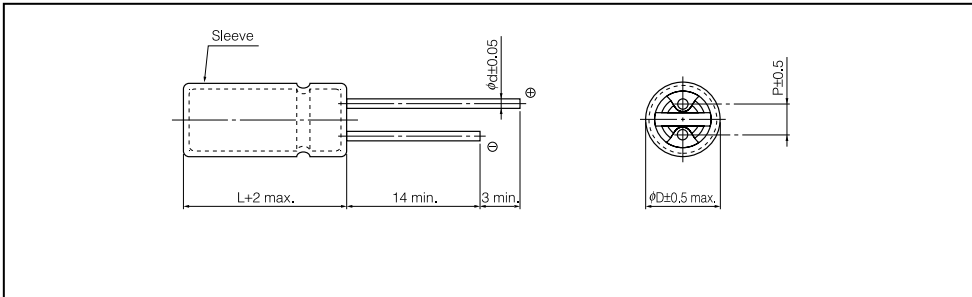
■ Specifications

Operating Temp. Range	-25 to +70 °C	
Maximum Operating Voltage	2.5 V.DC	
Nominal Cap. Range	1.0 to 10 F	
Characteristics at Low Temperature	Capacitance change	±30 % of initial measured value at +20 °C (-25 to +70 °C)
	Internal resistance	≤ 4 times of initial measured value at +20 °C (at -25 °C)
Endurance	After 1000 hours application of 2.5 V.DC at +70 °C, the capacitor shall meet the following limits.	
	Capacitance change	±30 % of initial measured value
	Internal resistance	≤ 2 time of initial specified value
Shelf Life	After 1000 hours storage at +70 °C without load, the capacitor shall meet the specified limits for "Endurance".	
Moisture Resistance	After 500 hours storage at +55 °C, 90 to 95% R.H., the capacitor shall meet the specified limits for "Endurance".	

■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Standard products

Maximum Operating Voltage (V. DC)	Capacitance (F)	Part number	Capacitance range (F)	Internal resistance (Ω) at 1 kHz	Size			
					φD	L	φd	P
2.5	1.0	EECA0EL105	0.80 to 1.80	≤1.00	8.0	22.0	0.7	3.5
	3.3	EECA0EL335	2.64 to 5.94	≤0.30	12.5	23.0	0.8	5.0
	4.7	EECA0EL475	3.76 to 8.46	≤0.20	12.5	35.0	0.8	5.0
	10	EECA0EL106	8.0 to 18.0	≤0.10	18.0	35.0	0.8	7.5