

# ALUMINUM ELECTROLYTIC CAPACITORS



## EL Series

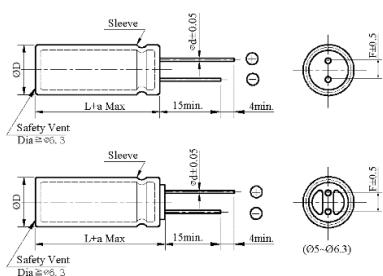
- Suitable for main board
- Extremely low impedance, downsize and high ripple current



### ◆ SPECIFICATIONS

Item	Performance Characteristics					
Category Temperature Range	-40 ~ +105°C					
Working Voltage Range	6.3 ~ 50Vdc					
Capacitance Range	56 ~ 6,800 μF					
Capacitance Tolerance	$\pm 20\%$ (at 25°C and 120Hz)					
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	6.3	10	16	25	35
	tanδ(Max)	0.22	0.19	0.16	0.14	0.12
	When nominal capacitance exceeds 1,000uF, add 0.02 to the value above for each 1,000uF increase.					
Leakage Current	I=0.01CV or 3 μA, whichever is greater I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 2 minutes Impress the rated voltage for 2 minutes					
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	6.3	10	16	25	35
	Z(-40°C)/Z(+20°C)	8	6	6	5	4
	(at 120Hz)					
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C					
	Capacitance change	$\leq \pm 25\%$ of the initial value				
	Dissipation factor(tanδ)	$\leq 200\%$ of the specified value				
	Leakage current	$\leq$ specified value				
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 500 hours at 105°C without voltage applied.					
	Capacitance change	$\leq \pm 25\%$ of the initial value				
	Dissipation factor(tanδ)	$\leq 200\%$ of the specified value				
	Leakage current	$\leq 200\%$ of the specified value				
Others	Conforms to JIS-C-5101-4 (1998)					

### ◆ DIMENSIONS (mm)



ΦD	5	6.3	8	10	12.5	16	18
ΦD + 0.5 Max							
Φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
a	$\leq 35 L + 1.5$ Max			$\geq 40 L + 2.0$ Max			

### ◆ PART NUMBER SYSTEM( Example : 10V 5600μF )

E	L	1	A	5	6	2	M	N	N	1	2	3	5							Special Request
																				Size code(1235 : 12.5×35)
																				Lead length code
																				Lead forming Type code
																				Capacitance tolerance code(M: $\pm 20\%$ )
																				Capacitance code (5600μF)
																				Voltage code(10V)
																				Series code(EL)

