

# ALUMINUM ELECTROLYTIC CAPACITOR

## CEB Series

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

APPROVAL BY



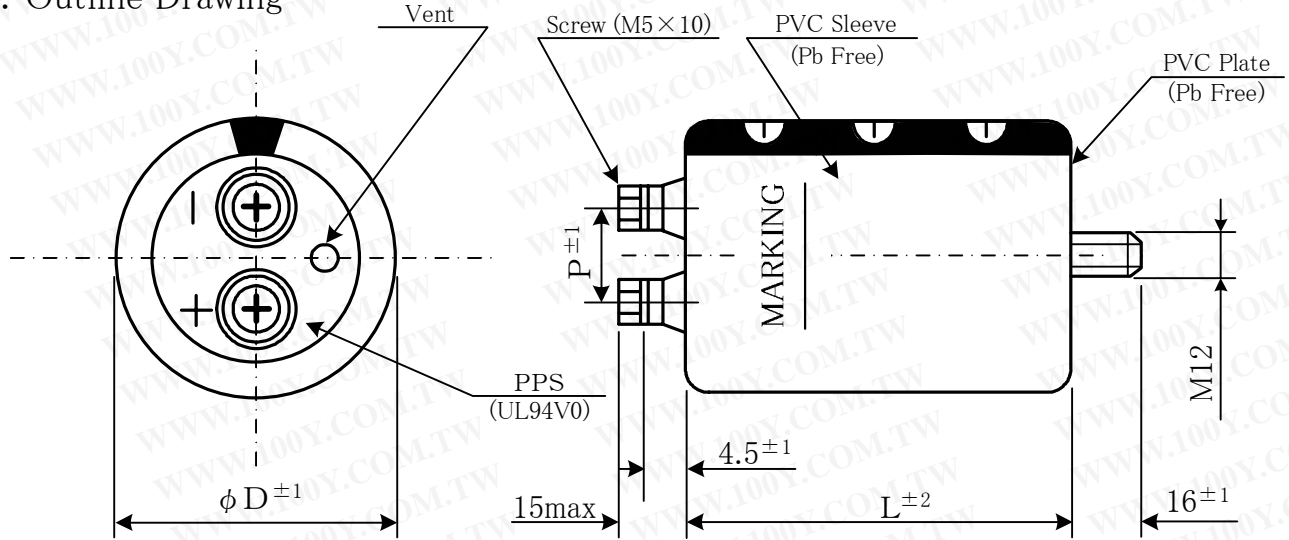
37U946

# ALUMINUM ELECTROLYTIC CAPACITOR

## I. Product Name and Type

1. Product Name ; Alminum Electrolytic Capacitor
2. Shape ; Metal case, Screw Terminals
3. Type ; CEB Series (85°C 2,000h)

## II. Outline Drawing



Screw will not be attached with Capacitor.

## III. Specifications

1. Operating Temperature Range ;  $-40 \sim +85 \text{ } ^\circ\text{C}$
2. Capacitance Tolerance ;  $-20 \sim +20 \text{ } \%$  (at 120Hz, 20°C)
3.  $\tan \delta$  (Dissipation Factor) ; 0.15 (at 120Hz, 20°C)
4. Max. Leakage Current ; 5.0 mA

No.	Item	Rated Voltage (V. DC)	Surge Voltage (V. DC)	Capacitance ( $\mu\text{F}$ )	Max. Ripple Current (Arms) at 85°C, 120Hz	$\phi D$ (mm)	L (mm)	P (mm)
01	CEB2W222BD105	450	500	2200	9.3	64	105	28.6
02	CEB2W222B	450	500	2200	9.0	64	96	28.6
03	CEB2W332BE143	450	500	3300	13.6	77	143	32.0
04	CEB2W332BE10R	450	500	3300	11.7	77	96	32.0
05	CEB2W562BE22R	450	500	5600	18.8	77	215	32.0
06	CEB2W562B	450	500	5600	18.3	77	155	32.0

Permissible ripple current applied is be calculated for conversion, using the figure stated below. Capacitors shall be used within 60A from restriction on M5 terminals temperature.

Ripple Current Multipling Factor

Frequency (Hz)					Temperature (°C)		
50/60	120	300	1K	10K $\leq$	40	60	85
0.7	1.0	1.1	1.3	1.4	1.89	1.67	1.00

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DWN.	R. Tanaka	Jan.20.06	ALUMINUM ELECTROLYTIC CAPACITOR	Hitachi AIC Inc.	37U946 1/2
CHKD.					
APPD.	R. Nagai	Jan.20.06			

5. Withstand voltage ; 1,500V.AC 1minute  
(Between terminals bundled and plate)
6. High temperature Loading ; Application of permissible ripple current to the capacitors for 2,000 hours at the ambient temperature of 85°C with a maximum voltage so that the sum of a peak of DC and AC voltages becomes equivalent of the rated voltage. These shall be kept for 12 to 24 hours under standard condition(comply with JIS-C-5102) and shall be satisfied with the following.
- Leakage Current ; No more than initial value specified
  - Capacitance Change ; ±15% initial value measured
  - Dissipation Factor ; No more than 175% of initial value specified
  - Appearance ; No notable change to be found
7. High Temperature Storage (Steady State) ; After storage of 500 hours at 85°C with out voltage applied, rated voltage is applied for one hour through a 1kΩ resistor at 20°C then stabilized for 12 to 24 hours. After completion of this, electrical measurement is made. Capacitor characteristics shall be satisfied with the following.
- Leakage Current ; No more than initial value specified
  - Capacitance Change ; ±15% initial value measured
  - Dissipation Factor ; No more than 175% of initial value specified
  - Appearance ; No notable change to be found
8. Surge Voltage ; The surge voltage is applied for 1,000 cycles at 85°C of 30±5 seconds at voltage through a 1kΩ series resistor for a period of 6±0.5 minutes. These shall be kept for 12 to 24 hours under standard condition and shall be satisfied with the following.
- Leakage Current ; No more than initial value specified
  - Capacitance Change ; ±15% initial value measured
  - Dissipation Factor ; No more than initial value specified
  - Appearance ; No notable change to be found
9. Others ; The other electrical and mechanical characteristics. JIS-C-5101-4 correspondingly to apply.

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