

Messrs. ONSTONE

# ALUMINUM ELECTROLYTIC CAPACITORS SPECIFICATION SHEET

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CUSTOMER PART No.		
Rubycon PART No.	450 MXG 820 M LCA LN 35X60	
DRAWING No.	REE - 045729	ISSUE No. 1
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**RUBYCON CORPORATION**  
ENGINEERING DIVISION

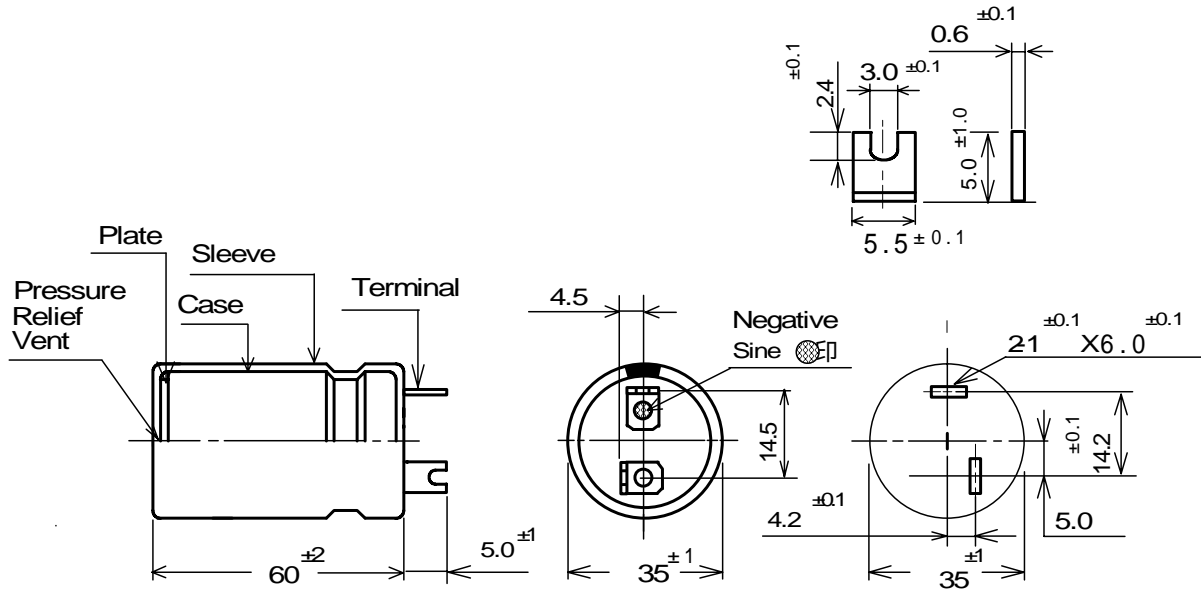
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Fixed aluminum electrolytic capacitors for use in electronic equipment	Customer Part Number	
	Rubycon Part Number	450 MXG 820 M LCA LN 35X60
	Style	CE692
	Operating Temperature Range	-25°C~+105°C
	The General Standard	JIS C 5141(1991)

## 1. Dimensions (unit:mm)

&lt; DIMENSIONS OF TERMINAL &gt;



&lt; P.C. BOARD DIMENSIONS &gt;

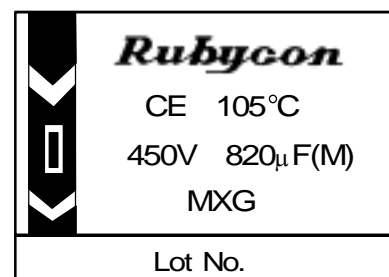
Name	Sleeve	Case	Seal	Terminal	Plate
Material	P.V.C.	Al	Rubber-laminated bakelite	SPCC(Tin plating)	P.V.C.
Appearance	Black				Black

## 2. Electrical Performance

Nominal Capacitance ( $\mu$ F)	Capacitance Tolerance (%)	Rated Voltage (V.DC)	Surge Voltage (V.DC)	Leakage Current Max./5min. ( $\mu$ A)	$\tan\delta$ Max.	Rated Ripple Current (A r.m.s.)
20°C/120Hz	20°C/120Hz			20°C	20°C/120Hz	105°C/120Hz
820	-20 ~ +20	450	500	1822	0.20	2.94

3. Marking: Unless otherwise specified, capacitor shall be clearly marked on its body.

- (1) Brand
- (2) Mark Indicating Electrolytic Capacitor
- (3) Maximum Operating Temperature
- (4) Rated Voltage
- (5) Nominal Capacitance (Tolerance)
- (6) Series
- (7) Polarity
- (8) Lot No.



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#### 4. Temperature Characteristics (Impedance ratio at 120Hz)

$Z (-25^{\circ}\text{C})/Z (20^{\circ}\text{C})$ : 8 MAX.

#### 5. Load Life Test

After 2000 + 72/0 hours application of D.C. rated working voltage with full rated ripple current at  $105\pm 2^{\circ}\text{C}$ , the capacitor shall meet the following requirements.

Capacitance Change : Within  $\pm 20\%$  of the initial value  
 Dissipation Factor : Not more than 200% of the specified value  
 Leakage Current : Not more than the specified value

#### 6. Notes (on the use of aluminum electrolytic capacitors)

##### (1) Charge and discharge

Do not use for a circuit where rapid charge and discharge is frequently repeated.

##### (2) Insulation

Aluminum electrolytic capacitors are covered with P.V.C. (polyvinyl chloride) sleeve which purpose is mainly indication of necessary items.

The case of capacitor and the cathode terminal are not insulated.

##### (3) Polarity

Please confirm the polarity before use because this capacitor has polarity.

\*Guide to application except the above are described in our catalog and EIAJ RCR-2367C.

EIAJ RCR-2367C: "Safety Application Guide for fixed aluminum electrolytic capacitors for use in electronic equipment"

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