

Messrs. ONSTONE

ALUMINUM ELECTROLYTIC CAPACITORS SPECIFICATION SHEET

CUSTOMER PART No.		
Rubycon PART No.	450 MXG 680 M LCA LN 35X46	
DRAWING No.	REE - 045687	ISSUE No. 1
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RUBYCON CORPORATION
ENGINEERING DIVISION

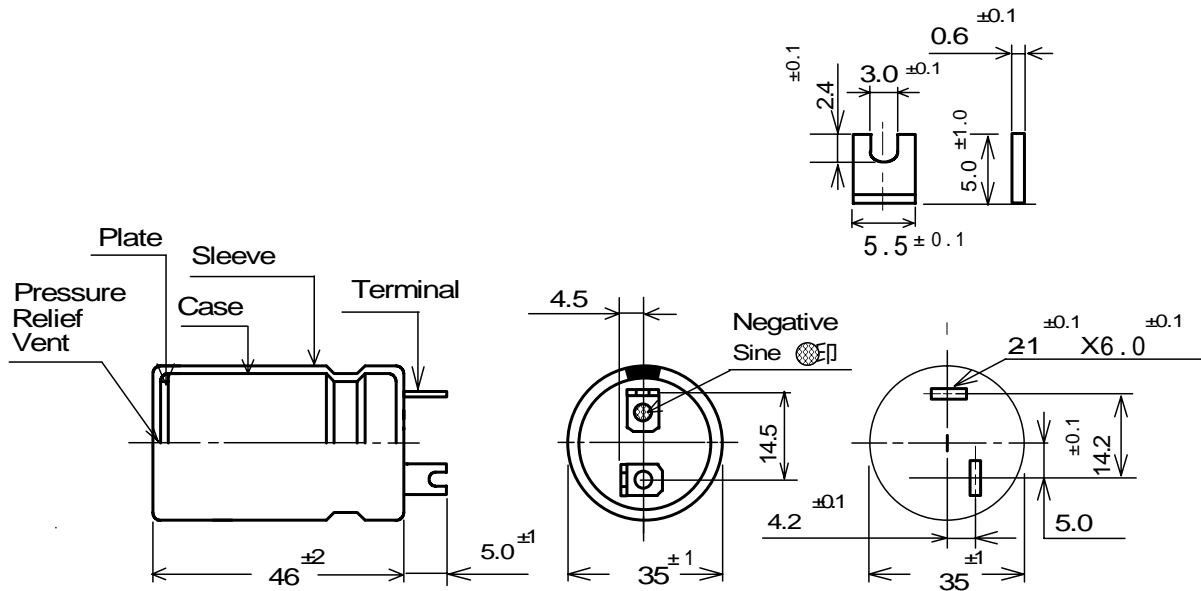
1938-1, NISHIMINOWA, INA-SHI, NAGANO-KEN, JAPAN
TEL No. +81-265-72-7116
FAX No. +81-265-73-3380

DESIGN	HIROKAZU HORIKAWA
	<i>H. Horikawa</i>
CHECK	
APPROVAL	YUZO SHIBA
	<i>Y. Shiba</i>

Fixed aluminum electrolytic capacitors for use in electronic equipment	Customer Part Number	
	Rubycon Part Number	450 MXG 680 M LCA LN 35X46
	Style	CE692
	Operating Temperature Range	-25°C~+105°C
	The General Standard	JIS C 5141(1991)

1. Dimensions (unit:mm)

< DIMENSIONS OF TERMINAL >



< P.C. BOARD DIMENSIONS >

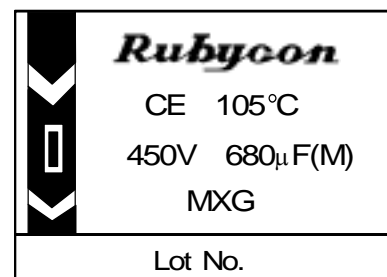
Name	Sleeve	Case	Seal	Terminal	Plate
Material	P.V.C.	Al	Rubber-laminated bakelite	SPCC(Tin plating)	P.V.C.
Appearance	Black				Black

2. Electrical Performance

Nominal Capacitance (μ F)	Capacitance Tolerance (%)	Rated Voltage (V.DC)	Surge Voltage (V.DC)	Leakage Current Max./5min. (μ 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
680	-20 ~ +20	450	500	1659	0.20	2.46

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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