

Messrs. BESTONE

# ALUMINUM ELECTROLYTIC CAPACITORS SPECIFICATION SHEET

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CUSTOMER PART No.		
RUBYCON PART No.	450 MXG 560 M LCA LN 35X45	
DRAWING No.	REE -046816	ISSUE No. 1
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## RUBYCON CORPORATION

ENGINEERING DIVISION

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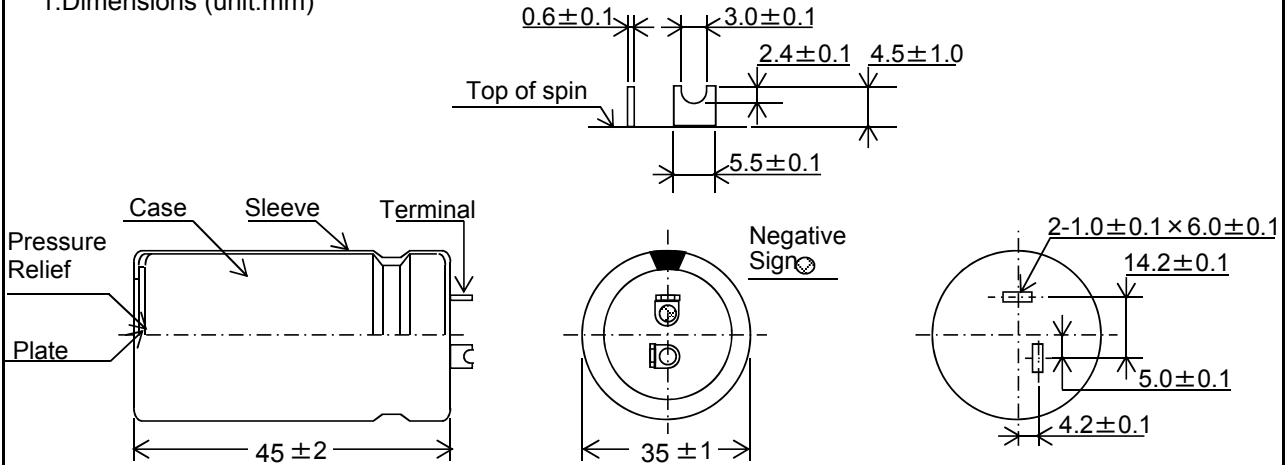
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Fixed aluminum electrolytic capacitors for use in electronic equipment	Customer Part Number	
	Rubycon Part Number	450 MXG 560 M LCA LN 35X45
	Style	CE692
	Operating Temperature Range	-25°C~+105°C
	The General Standard	JIS C 5141(1991)

1. Dimensions (unit:mm)



<P.C.BOARD DIMENSIONS>

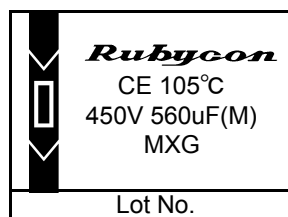
Name	Sleeve	Case	Seal	Terminal	Plate
Material	P.V.C.	Al	Rubber-laminated bakelite	SPCC(Tin plating)	P.V.C.
Appearance	Black				Black

2. Electrical Performance

Nominal Capacitance (uF)	Capacitance Tolerance (%)	Rated Voltage (V.DC)	Surge Voltage (V.DC)	Leakage Current Max./5min (uA)	tanδ Max.	Rated Ripple Current (A.r.m.s)
20°C/120Hz	20°C/120Hz			20°C	20°C/120Hz	105°C/120Hz
560	-20 ~ +20	450	500	1505	0.20	2.28

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.



4. Temperature Characteristics (Impedance ratio at 120Hz)

Z (-25°C)/Z (20°C): 8 MAX.

5. Frequency Coefficient of Rated Ripple current

Frequency(Hz)	60(50)	120	500	1k	10k≤
Coefficient	0.80	1.00	1.20	1.25	1.40

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## 6. Temperature Coefficient of Rated Ripple current

Ambient Temperature(°C)	105	85	65 $\geq$
Coefficient	1.00	1.88	2.26

## 7. Load Life Test

After 2000+72/0 hours application of D.C. rated working voltage with full rated ripple current at 105 $\pm$ 2 °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

## 8. 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. 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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