

# ALUMINUM ELECTROLYTIC CAPACITORS SPECIFICATION SHEET

---

CUSTOMER PART No.		
RUBYCON PART No.	450 USG 390 M CDA SN 35X35	
DRAWING No.	REE - 046638	ISSUE No. 1
ISSUE DATE	16-Dec-14	

## RUBYCON CORPORATION

ENGINEERING DIVISION

1938-1, NISHIMINOWA, INA-SHI, NAGANO-KEN, JAPAN

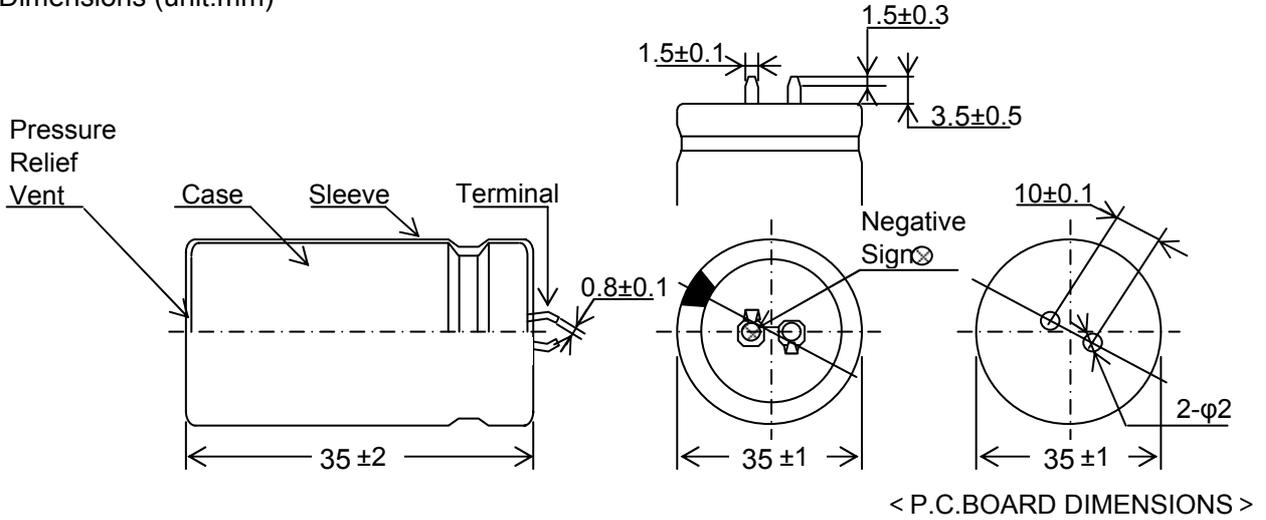
TEL No. +81-265-72-7116

FAX No. +81-265-73-3380

DESIGN	<i>K. Takenaka</i>
CHECK	<i>H. Horikawa</i>
APPROVAL	<i>G. Fuku</i>

Fixed aluminum electrolytic capacitors for use in electronic equipment	Customer Part Number	
	Rubycon Part Number	450 USG 390 M CDA SN 35X35
	Style	CE692
	Operating Temperature Range	-25 ~ +85
	The General Standard	JIS C 5141(1991)

1. Dimensions (unit:mm)



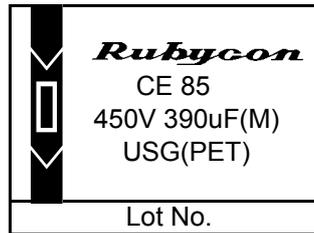
Name	Sleeve	Case	Seal	Terminal	
Material	P.E.T.	Al	Rubber-laminated bakelite	SPCC(Tin plating)	
Appearance	Black				

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 /120Hz	20 /120Hz			20	20 /120Hz	85 /120Hz
390	-20 ~ +20	450	500	1256	0.20	2.32

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 (Sleeve material)
- (7) Polarity
- (8) Lot No.



4. Temperature Characteristics (Impedance ratio at 120Hz)

Z (-25 )/Z (20 ) : 12 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

450 USG 390 M CDA SN 35X35	<b>Rubycon</b> RUBYCON CORPORATION	DRAWING No.	ISSUE No.
		REE-046638	1

6. Temperature Coefficient of Rated Ripple current

Ambient Temperature( )	85	65	
Coefficient	1.00	1.44	

7. Load Life Test

After 3000+72/0 hours application of D.C. rated working voltage with full rated ripple current at 85±2 , the capacitor shall meet the following requirements.

- Capacitance Change : Within ±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) Insulation

Aluminum electrolytic capacitors are covered with P.E.T. sleeve which purpose is mainly indication of necessary items.

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

(2) 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"

450 USG 390 M CDA SN 35X35	<b>Rubycon</b> RUBYCON CORPORATION	DRAWING No.	ISSUE No.
		REE-046638	1

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Aluminium Electrolytic Capacitors - Radial Leaded](#) category:*

*Click to view products by [Rubycon](#) manufacturer:*

Other Similar products are found below :

[NRELS102M35V16X16C.140LLF](#) [ESRG160ETC100MD07D](#) [227RZS050M](#) [335CKR250M](#) [476CKH100MSA](#) [477CKR100M](#)  
[107CKR010M](#) [107CKH063MSA](#) [RJH-25V222MI9#](#) [RJH-35V221MG5#](#) [B43827A1106M8](#) [RJH-50V221MH6#](#) [EKYA500ELL470MF11D](#)  
[B41022A5686M6](#) [ESRG250ELL101MH09D](#) [EKMA160EC3101MF07D](#) [RJB-10V471MG3#](#) [ESMG160ETD221MF11D](#)  
[EKZH160ETD152MJ20S](#) [RJH-35V122MJ6#](#) [EGXF630ELL621ML20S](#) [RBD-25V100KE3#N](#) [EKMA350ELL100ME07D](#)  
[ESMG160ETD101ME11D](#) [ELXY100ETD102MJ20S](#) [EGXF500ELL561ML15S](#) [EKMG350ETD471MJ16S](#) [35YXA330MEFC10X12.5](#)  
[RXW471M1ESA-0815](#) [ELXZ630ELL221MJ25S](#) [ERR1HM1R0D11OT](#) [LPE681M30060FVA](#) [LPL471M22030FVA](#) [HFE221M25030FVA](#)  
[LKMD1401H221MF](#) [B41888G6108M000](#) [EKMA160ETD470MF07D](#) [UHW1J102MHD6](#) [EKMG500ETD221MJC5S](#) [LKMK2502W101MF](#)  
[LKMD1401H181MF](#) [LKMI2502G820MF](#) [LKMJ2001J122MF](#) [LKML2501C472MF](#) [LKMJ4002C681MF](#) [450MXH330MEFCSN25X45](#)  
[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)