



# ALUMINUM CAPACITORS

096 PLL-4TSI



## Long-Life 4-Terminal Snap-In Aluminum Power Capacitors

### KEY BENEFITS

- Up to 500 V available
- Case sizes larger than standard snap-in, 35 x 50 mm up to 45 x 100 mm
- 4-terminal snap-in for stable mounting on PC board
- Long useful life: 5000 hours at 85 °C
- Low ESR, high ripple current capability

### APPLICATIONS

- Solar systems
- Uninterruptible power supplies (UPS)
- Motor drives
- Wind energy systems

# Aluminum Capacitors Power Long Life 4 Terminal Snap-In



### FEATURES

- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Large types, minimized dimensions, cylindrical aluminum case, insulated with a blue sleeve
- Pressure relief on the side of the aluminum case
- Very long useful life: 5000 hours at 85 °C
- Temperature range up to 85 °C
- Keypad polarity
- Low ESR, high ripple current capability

### APPLICATIONS

- Telecommunication and industrial systems
- Smoothing and filtering applications
- Switched mode power supplies
- Renewable energy power converters
- Energy storage in pulse systems
- For excellent mounting stability

### MARKING

The capacitors are marked (where possible) with the following information:

- Rated capacitance (in  $\mu\text{F}$ )
- Tolerance code on rated capacitance, code letter in accordance with IEC 60062 (M for  $\pm 20\%$ )
- Rated voltage (in V)
- Date code (YYMM)
- Name of manufacturer
- Code for factory of origin
- '-' sign to identify the negative terminal, visible from the top and side of the capacitor
- Code number
- Climatic category in accordance with IEC 60068

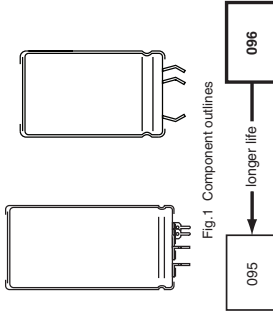


Fig.1 Component outlines

DESCRIPTION	VALUE
Nominal case size (D x L in mm)	35 x 50 to 45 x 100
Rated capacitance range $C_R$	390 $\mu\text{F}$ to 2700 $\mu\text{F}$
Tolerance on $C_R$	$\pm 20\%$
Rated voltage range, $U_R$	350 V to 500 V
Category/temperature range	-40 °C to + 85 °C
Endurance test at 85 °C	2000 hours
Useful life at 85 °C	5000 hours
Useful life at 40 °C, 1.4 x I <sub>r</sub> is applied	200 000 hours
Shelf life at 0 V, 85 °C	1000 hours
Based on sectional specification	IEC 60384-4/EN130300
Climatic category IEC 60068	40/085/56

$C_R$ ( $\mu\text{F}$ )	$U_R$ (V)			
	350	385	420	450
1200	35 x 70	35 x 80	40 x 70	40 x 80
	40 x 60	40 x 70	45 x 60	45 x 70
	40 x 80	40 x 80	45 x 70	45 x 100
1500	35 x 80	35 x 100	40 x 100	40 x 100
	40 x 70	40 x 80	45 x 70	45 x 70
	45 x 60	40 x 80	40 x 100	45 x 80
1800	40 x 80	40 x 100	40 x 100	40 x 100
	45 x 60	45 x 70	45 x 80	45 x 80
	40 x 100	40 x 100	45 x 100	45 x 100
2200	45 x 70	45 x 100	45 x 100	45 x 100
	45 x 100	45 x 100	45 x 100	45 x 100
2700	45 x 100	45 x 100	45 x 100	45 x 100
	45 x 100	45 x 100	45 x 100	45 x 100

### DIMENSIONS in millimeters AND AVAILABLE FORMS

#### PRINTED WIRING

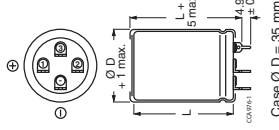


Fig.2 Printed wiring pin version Case Ø D = 35 mm

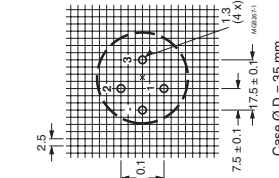


Fig.3 Mounting hole diagram viewed from component side Case Ø D = 35 mm

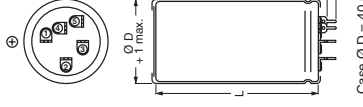


Fig.4 Printed wiring pin version Case Ø D = 40 mm

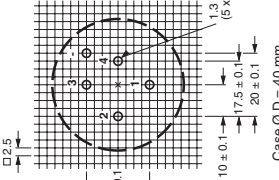


Fig.5 Mounting hole diagram viewed from component side Case Ø D = 40 mm

#### FOUR TERMINAL SNAP-IN

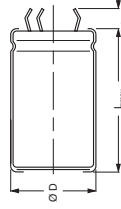
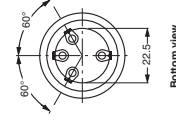
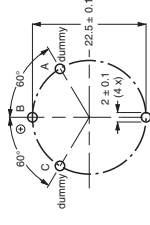


Fig.6 4-Terminal snap-in



Dummy terminals (A and C) must be free from the electrical circuit

Fig.7 Mounting hole diagram

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