

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
- 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
- Keyed polarity
- Low ESR, high ripple current capability

APPLICATIONS

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

RESOURCES

- Datasheet: 096 PLL-4TSI - <http://www.vishay.com/doc?28392>
- For technical questions contact aluminumcaps2@vishay.com
- Material categorization: For definitions of compliance please see <http://www.vishay.com/doc?99912>



RoHS
COMPLIANT

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



096 PLL-4TSI Long-Life 4-Terminal Snap-In Aluminum Power Capacitors

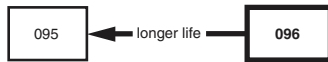


Fig. 1

QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Nominal case size (D x L in mm)	35 x 50 to 45 x 100
Rated capacitance range C_R	390 μF to 2700 μF
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 h
Useful life at 85 °C	5000 h
Useful life at 40 °C, 1.4 x I_R applied	200 000 h
Shelf life at 0 V, 85 °C	1000 h
Based on sectional specification	IEC 60384-4/EN130300
Climatic category IEC 60068	40/085/56

MARKING

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

- Rated capacitance (in μF)
- 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

C_R (μF)	U_R (V)					
	350	385	400	420	450	500
390	-	-	-	-	-	35 x 60
470	-	-	-	-	-	35 x 70
560	-	-	-	-	35 x 60	35 x 70 40 x 60
680	-	35 x 50 40 x 50	35 x 60 40 x 50	35 x 60 40 x 50	35 x 70 40 x 50	35 x 80 40 x 70
820	35 x 50 40 x 40	35 x 60 40 x 50	35 x 60 40 x 50	35 x 70 40 x 60	35 x 80 40 x 60	35 x 100 40 x 80
1000	35 x 60 40 x 50	35 x 70 40 x 60	35 x 70 40 x 60 45 x 50	35 x 80 40 x 60	35 x 100 40 x 70 45 x 60	40 x 100 45 x 70
1200	35 x 70 40 x 60	35 x 80 40 x 70	35 x 80 40 x 70 45 x 60	40 x 70	40 x 80 45 x 70	45 x 100
1500	35 x 80 40 x 70 45 x 60	40 x 80 45 x 60	35 x 100 40 x 80 45 x 70	40 x 100 45 x 70	40 x 100 45 x 80	45 x 100
1800	40 x 80 45 x 60	40 x 100 45 x 70	40 x 100 45 x 80	40 x 100 45 x 80	45 x 100	-
2200	40 x 100 45 x 70	40 x 100	45 x 100	45 x 100	-	-
2700	45 x 100	45 x 100	45 x 100	-	-	-

DIMENSIONS in millimeters AND AVAILABLE FORMS PRINTED WIRING

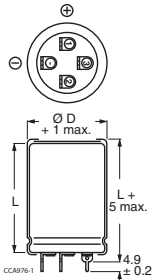


Fig. 2 - Printed wiring pin version (Case Ø D = 35 mm)

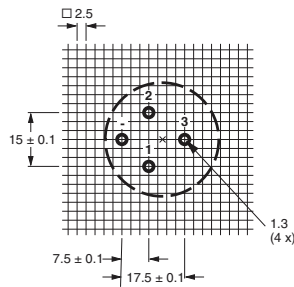


Fig. 3 - Mounting hole diagram viewed from component side (Case Ø D = 35 mm)

FOUR TERMINAL SNAP-IN

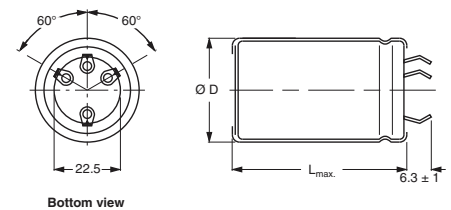


Fig. 6 - 4-Terminal snap-in

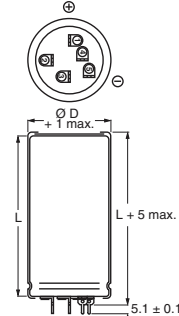


Fig. 4 - Printed wiring pin version (Case Ø D = 40 mm)

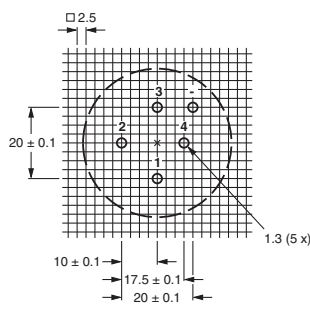
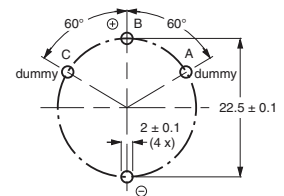


Fig. 5 - Mounting hole diagram viewed from component side (Case Ø D = 40 mm)



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

Fig. 7 - Mounting hole diagram

Pin numbers 2, 3 and 4 (if present) should be free from the electrical circuit or connected to the minus terminal.