



Aluminum electrolytic capacitors

Snap-in capacitors

Series/Type: **Base cooling**
Date: December 2010

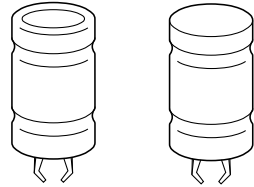
Snap-in capacitors for base cooling

Applications

- Frequency converters or power supplies with heat sink
- DC links with ultra high ripple current load per capacitance, extra long useful life or superior reliability requirements.

Features

- Reduced overall length tolerance (± 0.2 mm) for effective heat sink mounting of capacitor banks
- Suited for use of thin thermal pads
- Minimized and long term low thermal resistances between base and winding
- Extremely high ripple current load and long useful life
- Outstanding low ESR at operating conditions above 50 °C
- Available upon request for different 85 °C and 105 °C series
- Case size range from 30 × 35 mm to 35 × 55 mm
- Capacitors with all insulation versions pass the needle flame test according to IEC 60695-11-5 for all flame exposure times up to 120 s
- RoHS-compatible



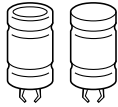
Construction

- Charge/discharge-proof, polar
- Reinforced aluminum can with long term rigidity
- Standard insulation: PET sleeve without insulation sheet at the can bottom
- Version without insulation available
- Snap-in solder pins to hold component in place on PC-board
- Minus pole marking on case surface (insulated version only)
- Minus pole not insulated from case
- Overload protection by safety vent on the case wall

Terminals

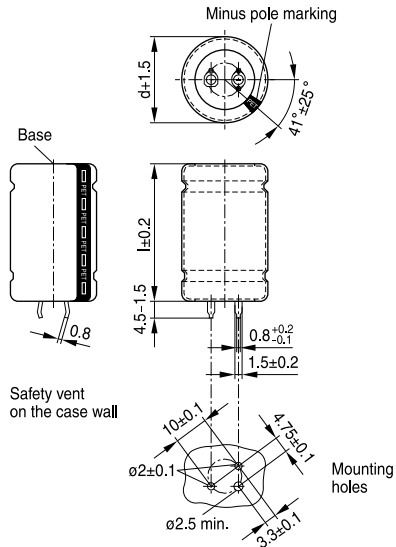
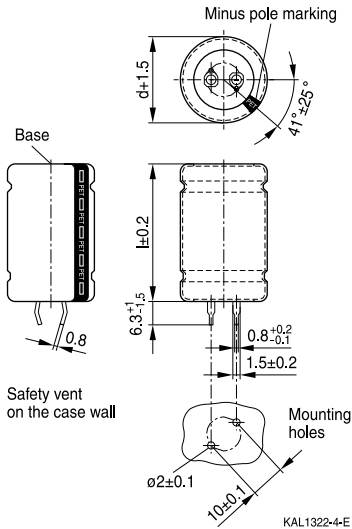
- Standard version with 2 terminals, 2 lengths available: 6.3 and 4.5 mm
- 3 terminals to ensure correct insertion: length 4.5 mm

Capacitors with base cooling feature for heat sink mounting are available upon request for series B43540, B43543, B43505. As an option, the capacitors can be equipped with suitable thermal pads. Please refer to chapter "General technical information, 5.2 Cooling" for more details regarding thermal management.



Dimensional drawings

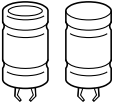
Snap-in capacitors with PET sleeve insulation for base cooling



Snap-in terminals, length $(6.3 +1/-1.5)$ mm. Also available in a shorter version with a length of $(4.5 -1.5)$ mm. Without insulation sheet at the base.

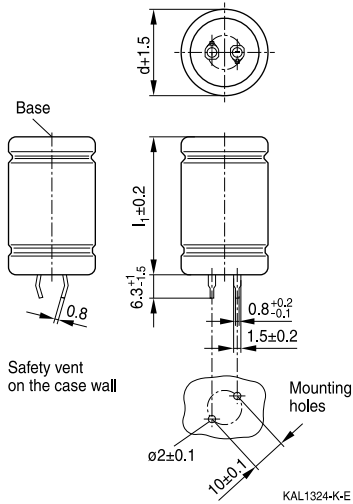
PET insulation is marked with label "PET" on the sleeve.

Snap-in capacitors are also available with 3 terminals (length $(4.5 -1.5)$ mm). Without insulation sheet at the base. PET insulation is marked with label "PET" on the sleeve.

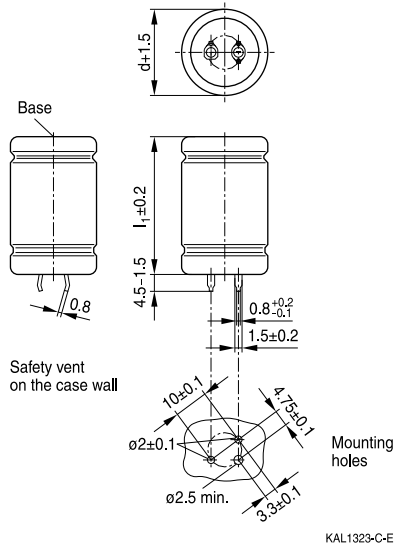


Base cooling

Snap-in capacitors without insulation for base cooling



Snap-in terminals, length $(6.3 +1/-1.5)$ mm.
Also available in a shorter version with a length of $(4.5 -1.5)$ mm. Marking by an adhesive label.



Snap-in capacitors are also available with 3 terminals (length $(4.5 -1.5)$ mm). Marking by an adhesive label.

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