



Single cell 200 F/ 2.5 V

Series/Type: Ordering code: B49410A2205Q000 Date: March 2005

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UltraCap[®]

Single cell, 200 F/ 2.5 V

B49410A2205Q000

Features

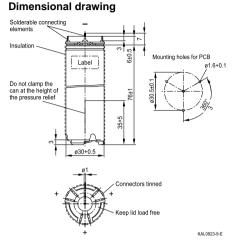
- Solder pin/4
- Power type
- Insulated with polyurethane
- Short-circuit-proof

Note

- Do not put into fire!
- Do not open the capacitor!

Electrical specifications

- To avoid health and fire hazards, do not operate the capacitor beyond the voltage or temperature limits given in the data sheet. Any excess may also result in a reduction of lifetime.
- Please pay also attention to the transport and waste disposal instructions in chapter "Cautions".



Dimensions in mm

Rated capacitance (T₄ = 25 °C; DCC) ¹⁾ F CB 200 -10/+30% Tolerance of C_B 2.5 Rated voltage (T₄ = 25 °C) V_R v Capacity 140 mAh Specific power (IEC 62391-2) 3.3 kW/ka 3.9 (IEC 62391-2) kW/I Specific power Е Stored energy $(V = V_B)$ 625 J Specific energy $(V = V_{R})$ 2.7 Wh/kg 3.1 Wh/I Specific energy $(V = V_{R})$ Surge voltage Vsurge 2.8 v ESR Maximum series resistance $(T_A = 25 \circ C; 1 \text{ kHz})$ 1.5 mΩ Maximum series resistance (T₄ = 25 °C; 50 mHz) ESR_{DC} 3.5 mΩ Weight 65 g Volume 0.056 L T_{op} °C Operating temperature range -30/+70Storage temperature (V = 0 V)T_{st} -40/+70°C $(T_A = 25 \ ^{\circ}C; V = V_B)$ Lifetime (hours) 2) 90000 h (T_A = 25 °C; I = 8 A) 500000 Lifetime (cycles) 3) cycles

1) DCC: discharging with constant current.

2) Requirements: $|\Delta C/C_R| \le 30\%$, ESR ≤ 2 times of specified limit, $I_{leak} \le 2$ times of initial value.

3) Requirements: $|\Delta C/C_R| \le 30\%$, ESR ≤ 2 times of specified limit, $I_{leak} \le 2$ times of initial value (1 cycle: charging to $V_{R'}$ 30 s rest, discharging to $V_{R'}/2$, 30 s rest).