

Gold Capacitors | Ultra Capacitors

CEEB SERIES



■ Features

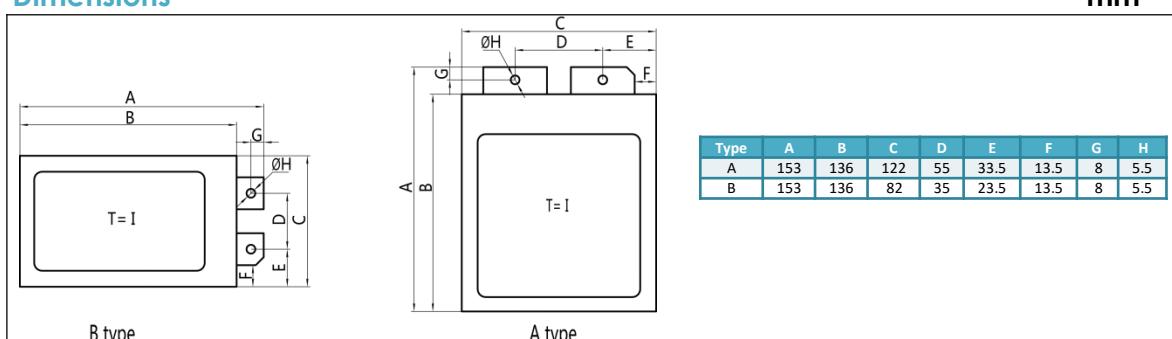
- Higher voltage
- Higher energy density
- RoHS compliant
- More safe than LiB
- Energy regeneration
- Vehicle and rail transport



| Items | Characteristics | | |
|------------------------------|---|-------------------|--|
| Usable Cell Voltage Range | 3.8 ~ 2.2 V | | |
| Operating Temperature Range | -30 ~ +60 °C | | |
| Surge Voltage | 4.0 V | | |
| Capacitance Range | 1000 ~ 5000 F | | |
| Capacitance Tolerance (25°C) | -10 ~ +10% | | |
| Temperature Characteristics | The specifications shall be met at category temperature range from -30°C to 60°C | Capacitance range | Within 30% of the initial value |
| | | ESR | Less than 4 times of the initial specified value |
| High Temperature Loaded | The specifications shall be met after rated voltage applied at 60°C for 1000 hours | Capacitance range | Within 20% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |
| High Temperature Storage | The specifications shall be met after storage at 60°C for 1000 hours | Capacitance range | Within 20% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |
| Cycle Life | The specifications shall be met after 500,000 cycles at 25 °C , cycle of charge/discharge from 3.8V to 2.2V | Capacitance range | Within 30% of the initial value |
| | | ESR | Less than 2 times of the initial specified value |

Dimensions

mm



Standard Ratings for CEEB Series

| Usable Cell Voltage Range | Static Capacitance 25°C | Impedance | | SelfDischarge (72hrs) | Size | | Weight | P/N |
|---------------------------|-------------------------|-----------|--------------|-----------------------|------|------------|--------|-------------|
| | | ESRDC | ESRAC (1KHz) | | Type | CxAxT | | |
| (V) | (F) | (mΩ) | (mΩ) | | | (mm) | (g) | |
| 3.8 | 1000 | 5.0 | 2.5 | ≥3.7 | B | 82x136x11 | 120 | CEEB3R8107M |
| | 2000 | 3.0 | 1.5 | ≥3.7 | A | 122x136x12 | 220 | CEEB3R8207M |
| | 3000 | 2.0 | 1.0 | ≥3.7 | A | 122x136x18 | 330 | CEEB3R8307M |
| | 5000 | 5.0 | 2.5 | ≥3.7 | A | 122x136x21 | 370 | CEEB3R8507M |