Prismatic Supercapacitor




Case WS34

See below:
**Approvals and Compliances**

## Description

- Prismatic ultra-thin supercapacitors
- Single or double cell version
- Ultra-compact design
- High pulse power

## Unique Selling Proposition

- Excellent low temperature performance
- High power density
- Low ESR with high current handling
- Very low self discharge

## Applications

- Sensors
- Small mobile devices
- Small power supplies
- Mobile energy harvesting
- Uninterruptible power supply

Last order date: 31.10.2026
Last delivery date: 28.02.2027

## Weblinks

pdf data sheet, html datasheet, Distributor-Stock-Check, Detailed request for product

## Technical Data

| | |
|---|---|
| Rated Voltage | 2.5 / 5V |
| Capacity | 90 - 2400mF |
| Allowable Operation Temperature | -40°C to 70°C |
| Storage Conditions | 0°C to 60°C, max. 70% r.h. |
| RMS current | 4.5 - 8A |
| Peak Current | 30A |
| Mounting | PCB,SMT |
| Soldering Methods | Manual |

## Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

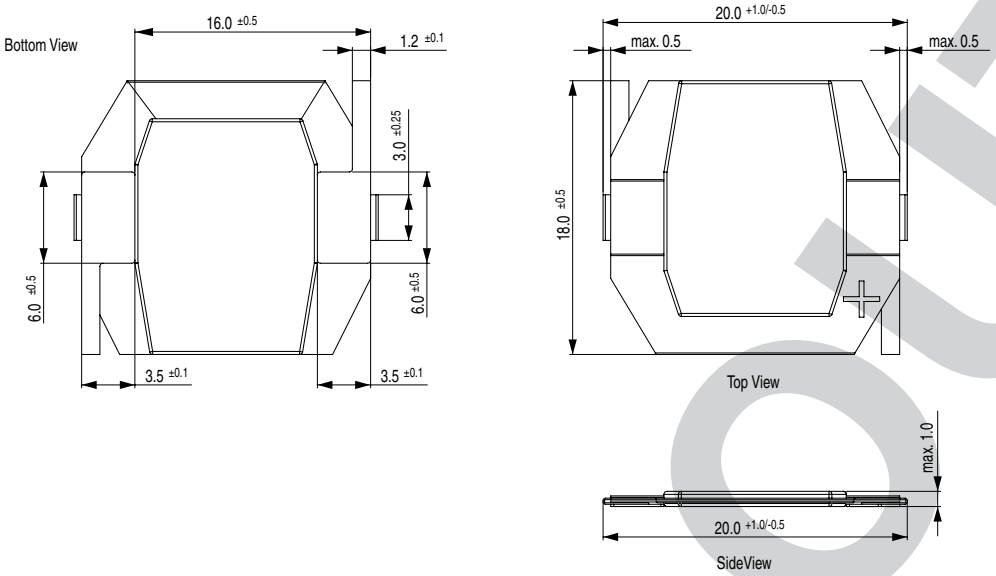
## Compliances

The product complies with following Guide Lines

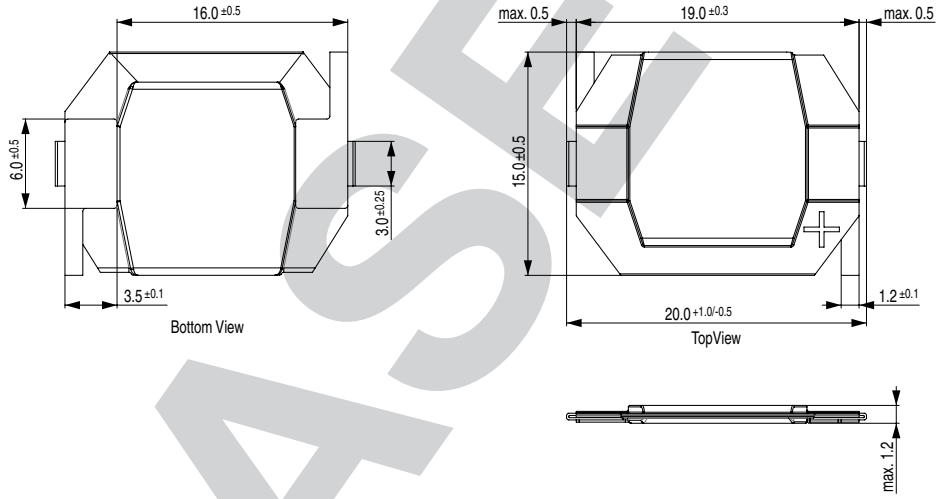
| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
| UKCA | UKCA declaration of conformity | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008. |
| RoHS | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| 50 | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
| REACH | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

PHASE-OUT

**Dimension [mm]**
Case AS10

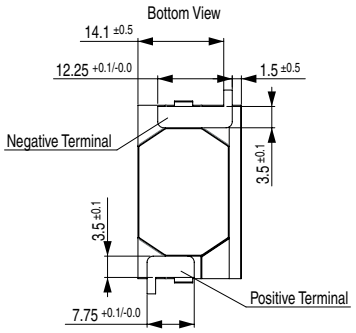


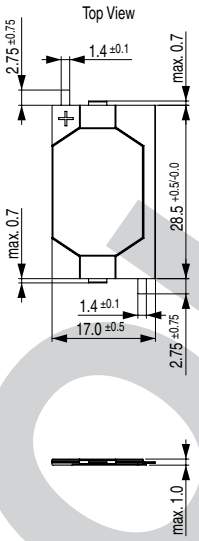

Case ZS12



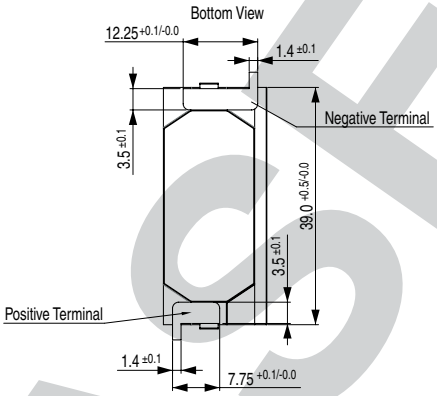

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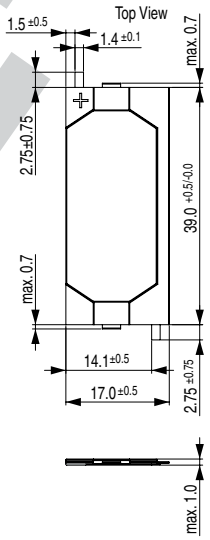
Case WS10



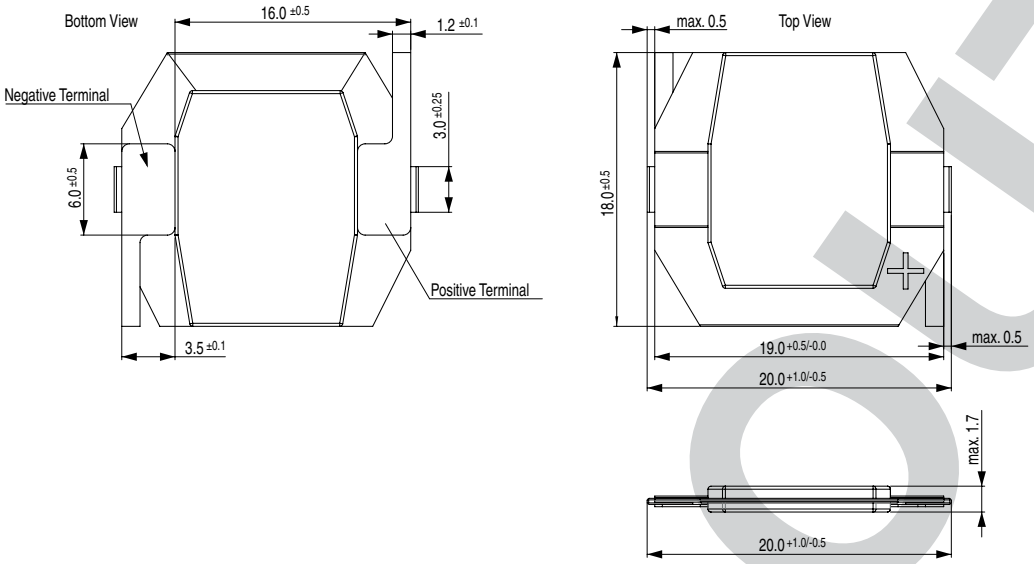

Case SS10



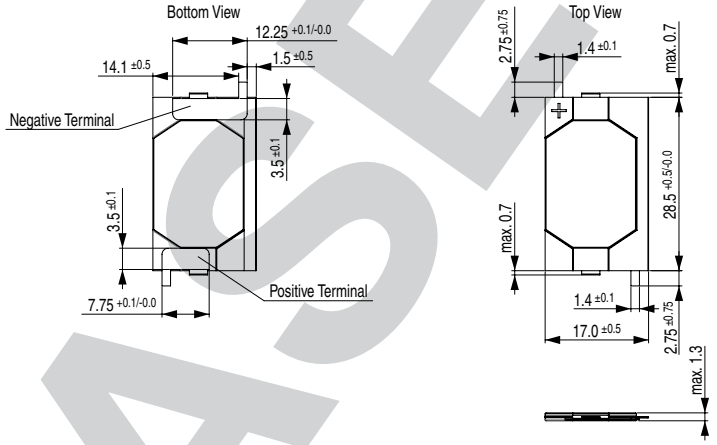




PHASE-OUT

Case AS17

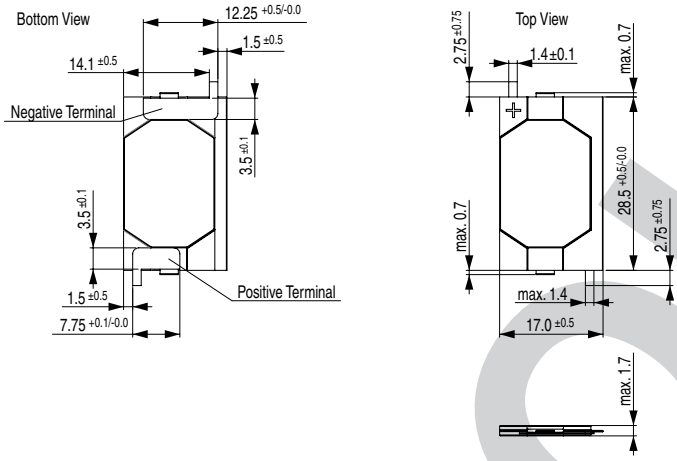



Case WS13

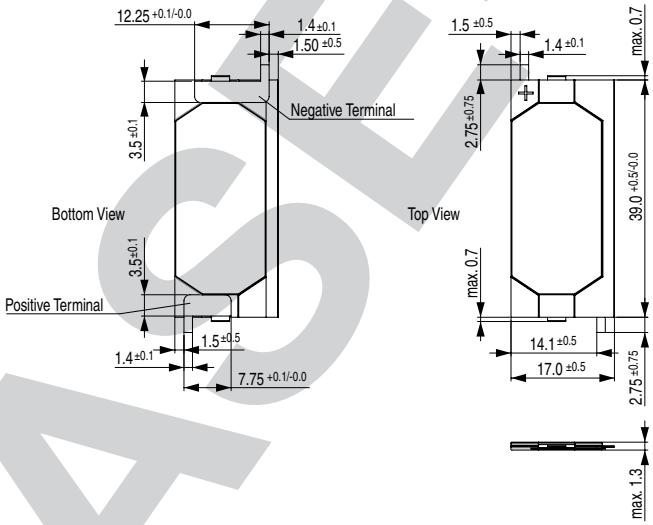



PHASE-OUT

Case WS17

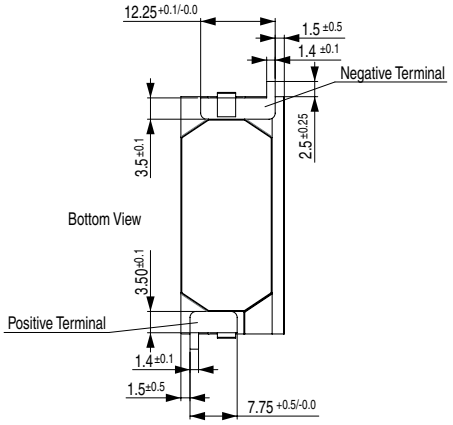


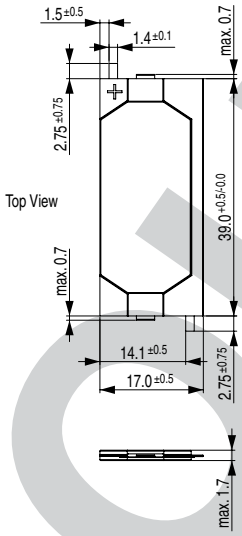

Case SS13



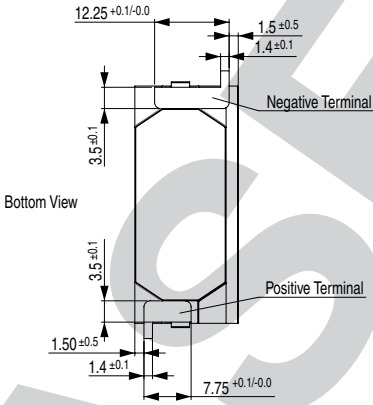

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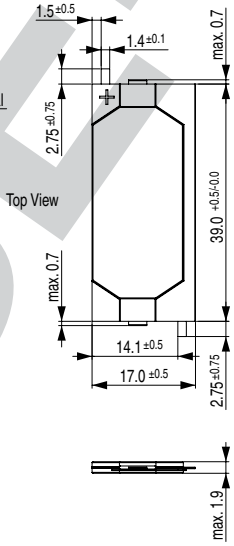
Case SS17



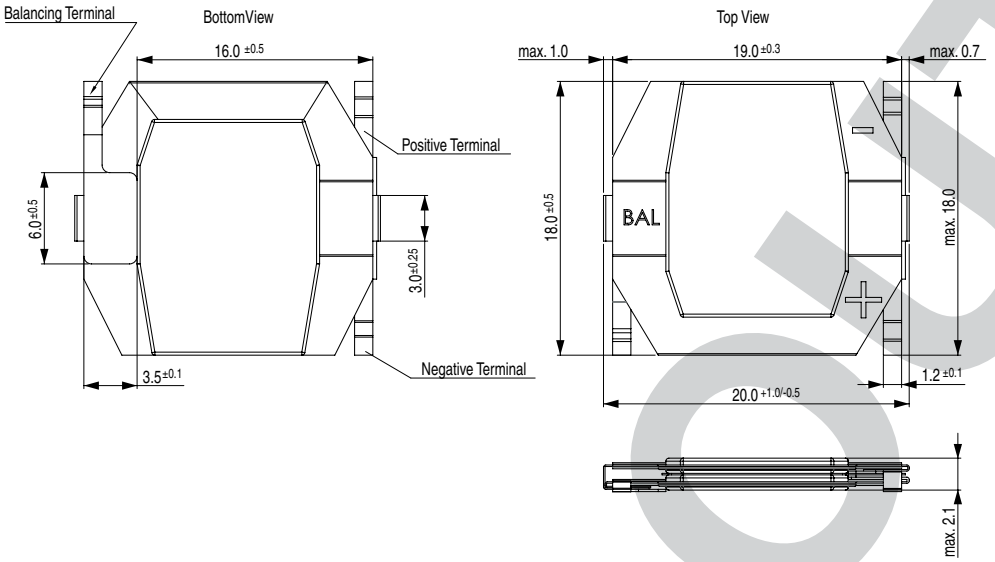

Case SS19



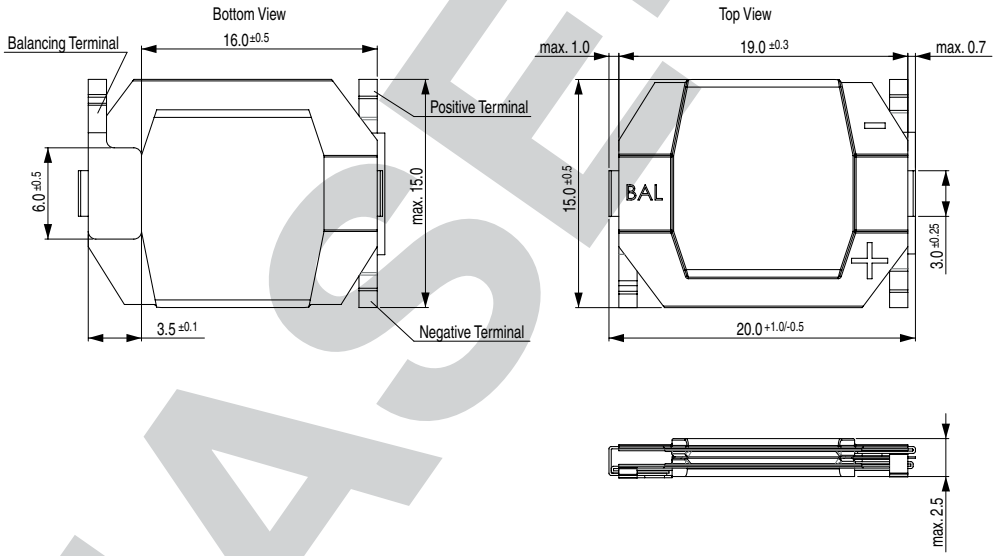




PHASE-OUT

Case AS21

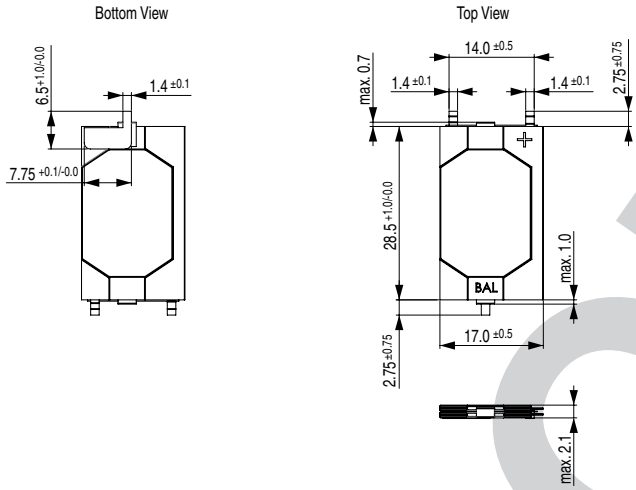



Case ZS21

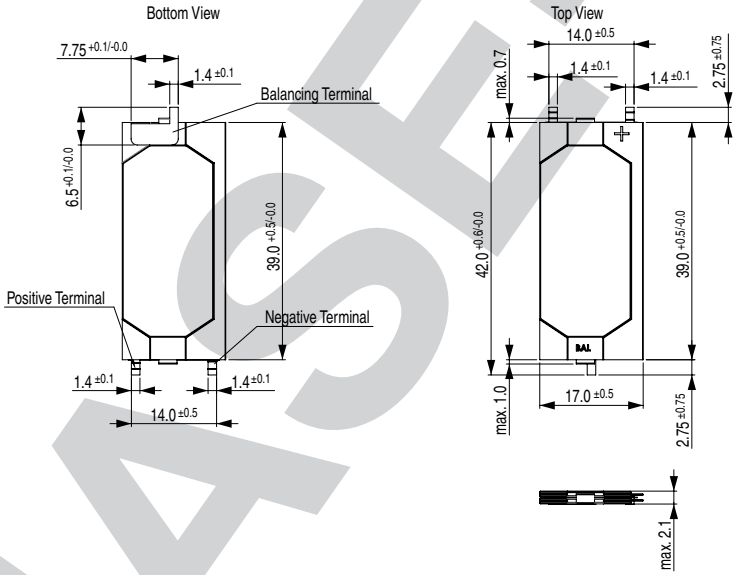



PHASE-OUT

Case WS21

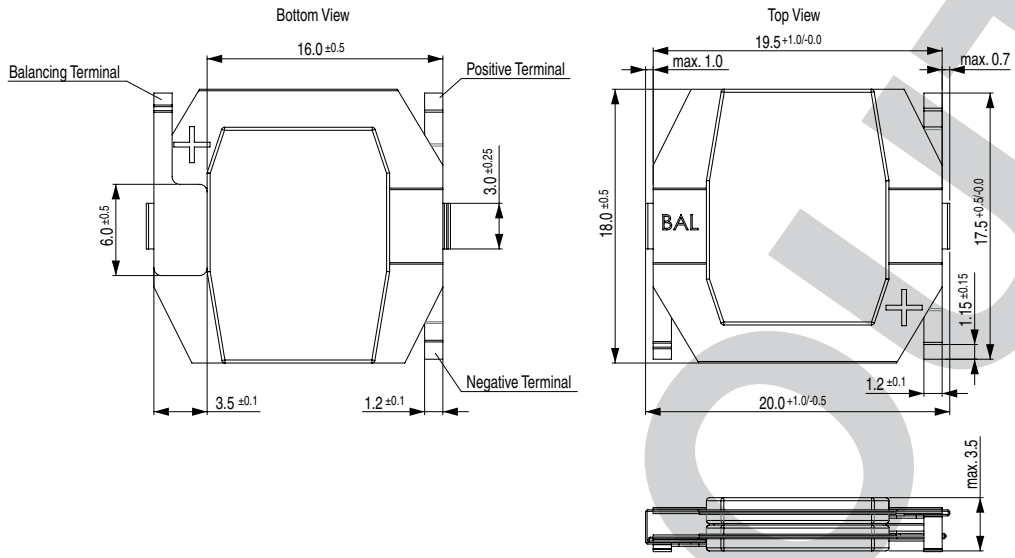



Case SS21

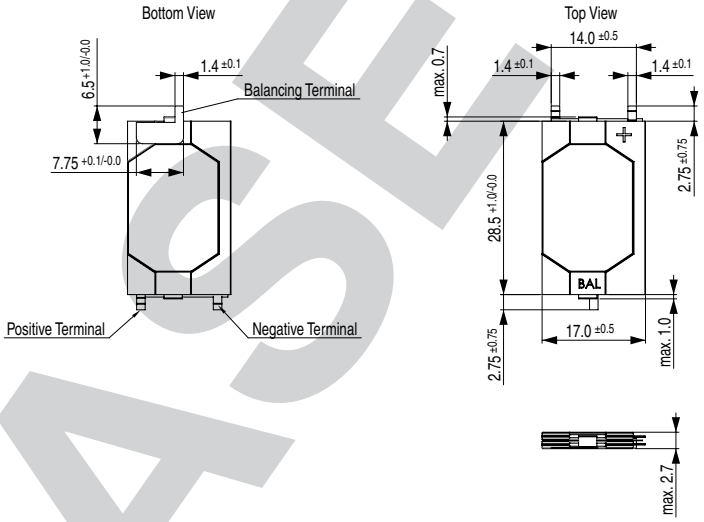



PHASE-OUT

Case AS35

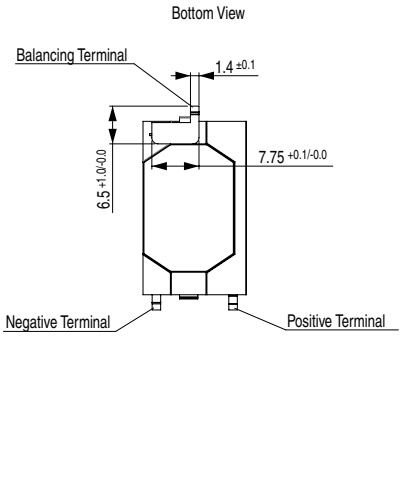



Case WS27

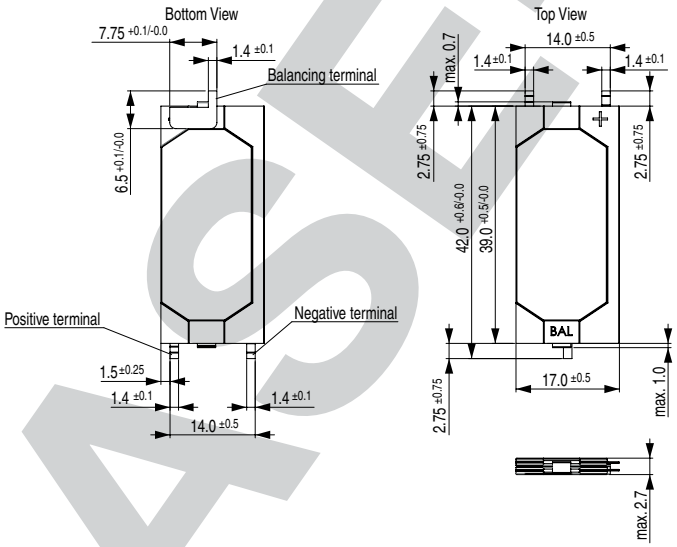



PHASE-OUT

Case WS34

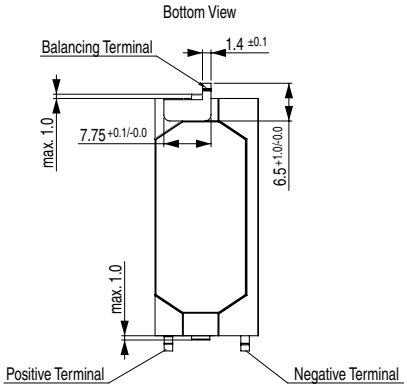


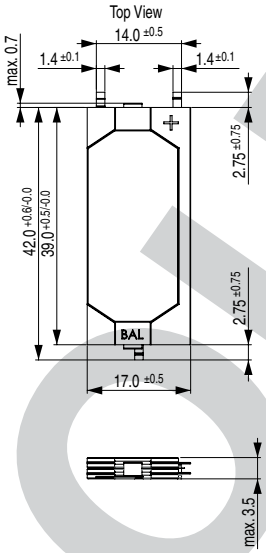

Case SS27



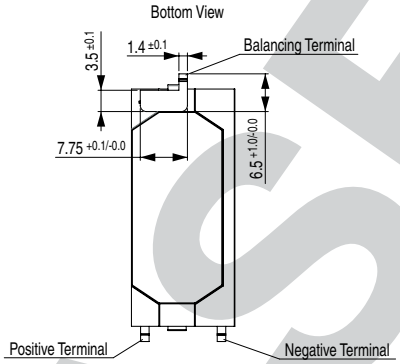

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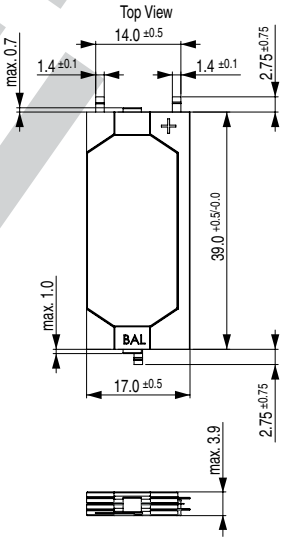
Case SS34

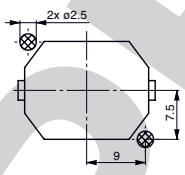


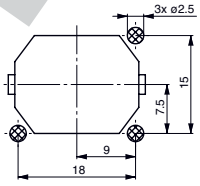

Case SS39



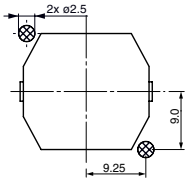



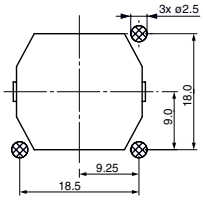

Soldering pads to Case ZS12




Soldering pads to Case ZS21

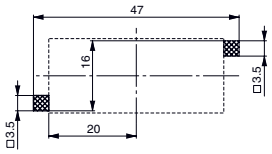



Soldering pads to Case AS10, AS17

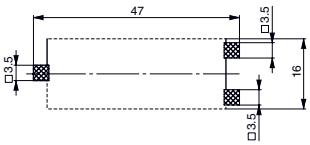



Soldering pads to Case AS21, AS35

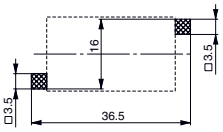
PHASE-OUT



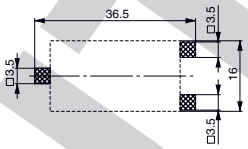

Soldering pads to Case SS10, SS13, SS17, SS19




Soldering pads to Case SS21, SS27, SS34, SS39




Soldering pads to Case WS10,WS13, WS17




Soldering pads to Case WS21,WS27, WS34

## Variants

| Cell Type | Rated Voltage [V] | Capacity (DC, 23°C, ±20%) [mF] | ESR max. (AC@1kHz, 23°C) [mΩ] | Leakage Current typ. (120h, $U_R$, 23°C) [µA] | Leakage Current max. (120h, $U_R$, | RMS current (23°C) [A] | Peak Current (23°C) [A] | Housing | Order Number |
|---|---|---|---|---|---|---|---|---|---|
| Low ESR Single Cell | 2.5 | 170 | 50 | 1 | 2 | 4.5 | 30 | AS10 | 3-153-413 |
| Low ESR Single Cell | 2.5 | 180 | 55 | 1 | 2 | 4.5 | 30 | ZS12 | 3-153-414 |
| Low ESR Single Cell | 2.5 | 320 | 30 | 0.5 | 1 | 6 | 30 | WS10 | 3-153-415 |
| Low ESR Single Cell | 2.5 | 540 | 20 | 1 | 2 | 8 | 30 | SS10 | 3-153-416 |
| Low ESR Single Cell | 2.5 | 800 | 40 | 1 | 2 | 4.5 | 30 | AS17 | 3-153-417 |
| Low ESR Single Cell | 2.5 | 800 | 30 | 1 | 2 | 6 | 30 | WS13 | 3-153-418 |
| Low ESR Single Cell | 2.5 | 1040 | 20 | 1 | 2 | 7.5 | 30 | WS17 | 3-153-419 |
| Low ESR Single Cell | 2.5 | 1360 | 20 | 1.5 | 3 | 7.5 | 30 | SS13 | 3-153-420 |
| Low ESR Single Cell | 2.5 | 1800 | 15 | 2 | 4 | 8 | 30 | SS17 | 3-153-421 |
| Low ESR Single Cell | 2.5 | 2400 | 15 | 2.5 | 5 | 8 | 30 | SS19 | 3-153-422 |
| Low ESR Dual Cell | 5 | 90 | 95 | 1 | 2 | 4.5 | 30 | AS21 | 3-153-423 |
| Low ESR Dual Cell | 5 | 90 | 110 | 1 | 2 | 4.5 | 30 | ZS21 | 3-153-424 |
| Low ESR Dual Cell | 5 | 160 | 55 | 0.5 | 1 | 6 | 30 | WS21 | 3-153-425 |
| Low ESR Dual Cell | 5 | 270 | 35 | 1 | 2 | 8 | 30 | SS21 | 3-153-426 |
| Low ESR Dual Cell | 5 | 400 | 75 | 1 | 2 | 4.5 | 30 | AS35 | 3-153-427 |
| Low ESR Dual Cell | 5 | 400 | 55 | 1 | 2 | 6 | 30 | WS27 | 3-153-428 |
| Low ESR Dual Cell | 5 | 520 | 40 | 1 | 2 | 7.5 | 30 | WS34 | 3-153-429 |
| Low ESR Dual Cell | 5 | 680 | 35 | 1.5 | 3 | 7.5 | 30 | SS27 | 3-153-430 |
| Low ESR Dual Cell | 5 | 900 | 25 | 2 | 4 | 8 | 30 | SS34 | 3-153-431 |
| Low ESR Dual Cell | 5 | 1200 | 25 | 2.5 | 5 | 8 | 30 | SS39 | 3-153-432 |

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

## Packaging Unit

100 Pcs

PRINT OUT

25.08.2026



The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.