

Supercapacitors

AVX BESTCAP SUPERCAPACITORS

The BestCap™ series of electrochemical supercapacitors offer excellent high power pulse characteristics based upon the combination of very high capacitance and ultra low ESR in the milliohm region. Supercapacitors have rapidly become recognized as an excellent compromise between "electronic" capacitors such as ceramic, tantalum, film and aluminum electrolytic, and batteries, but also a technology for providing a unique combination of characteristics, particularly very high energy, power and capacitance densities.

Features:

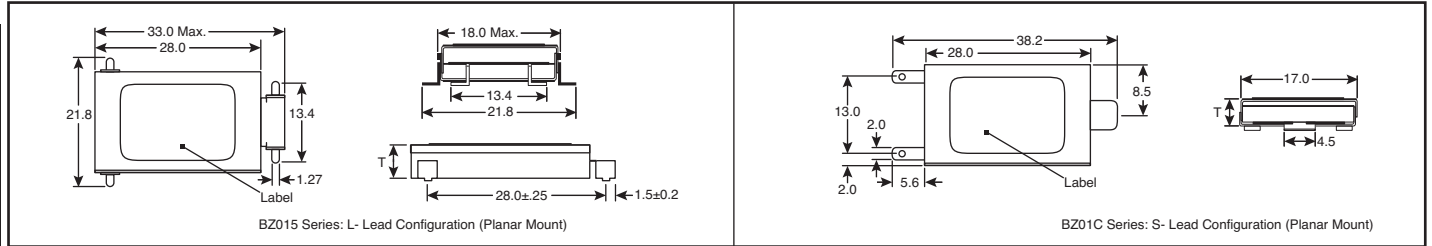
- High specific capacitance
- Very low ESR
- Low profile
- Non polar
- Low leakage
- High power pulse capability

Applications:

- Memory back up
- Laser systems
- Wireless alarm systems
- GSM/GPRS wireless communication products
- ADSL/xDSL and other communication equipment
- Hybrid battery packs



RoHS Compliant
DIMENSIONS: mm



For quantities of 50 and up, call for quote.

| MOUSER STOCK NO. | AVX Part No. | Rating (Vdc) | Value (mF) | ESR (mΩ) @ 1kHz | Lead Format | DCL (μA) Max. | Case Size | Thickness "T" Max. | Price Each | | | |
|--------------------|----------------|--------------|------------|-----------------|-------------|---------------|-----------|--------------------|------------|-------|-------|-------|
| | | | | | | | | | 1 | 5 | 10 | 25 |
| 581-BZ254B223ZSBCE | BZ254B223ZSBCE | 4 | 22 | -- | S | -- | 20x15 | -- | 15.75 | 14.63 | 13.50 | 12.38 |
| 581-BZ015A503ZLB | BZ015A503ZLB | 5.5 | 50 | 160 | L | 5 | 28x17 | 3.5mm | 15.05 | 13.98 | 10.50 | 10.15 |
| 581-BZ015B603ZLB | BZ015B603ZLB | 5.5 | 60 | 80 | L | 10 | 28x17 | 4.8mm | 19.25 | 17.88 | 16.50 | 15.13 |
| 581-BZ015A104ZLB | BZ015A104ZLB | 5.5 | 100 | 80 | L | 10 | 28x17 | 6.1mm | 19.25 | 17.88 | 16.50 | 15.13 |
| 581-BZ025A404ZLB | BZ025A404ZLB | 5.5 | 400 | 35 | L | 40 | 48x30 | 6.1mm | 53.90 | 50.05 | 46.20 | 42.35 |
| 581-BZ125A105ZLB | BZ125A105ZLB | 5.5 | 1.0F | 35 | L | 120 | 48x30 | 4.7mm | 49.50 | 49.35 | 49.20 | 49.05 |
| 581-BZ013B503ZSB | BZ013B503ZSB | 3.6 | 50 | 100 | S | 5 | 28x17 | 2.1mm | 15.05 | 13.05 | 12.90 | 11.05 |
| 581-BZ055B153ZSB | BZ055B153ZSB | 5.5 | 15 | 250 | S | 5 | 20x15 | 2.7mm | 15.75 | 14.63 | 13.50 | 12.38 |
| 581-BZ055A333ZSB | BZ055A333ZSB | 5.5 | 33 | 125 | S | 5 | 20x15 | 3.5mm | 18.20 | 16.90 | 15.60 | 14.30 |
| 581-BZ015A104ZSB | BZ015A104ZSB | 5.5 | 100 | 80 | S | 10 | 28x17 | 6.1mm | 19.25 | 17.88 | 16.50 | 15.13 |
| 581-BZ01CA223ZSB | BZ01CA223ZSB | 12 | 22 | 350 | S | 5 | 28x17 | 6.5mm | 26.25 | 24.38 | 22.50 | 20.63 |
| 581-BZ05CA103ZSB | BZ05CA103ZSB | 12 | 10 | 500 | S | 5 | 20x15 | 6.5mm | 21.00 | 19.50 | 18.00 | 16.50 |

Supercapacitors

ELNA MEMORY BACK-UP CAPACITORS

The DB and DX Series has a total withstand voltage rating of 5.5 Volts. They utilize ELNA's unique flat spring technology, which enhances the reliability of the internal coin cells. This series' are ideal for a wide range of applications from consumer applications to sophisticated instrumentations.

Features:

- For memory back up in electronic devices
- Small size, large capacitance
- Wide temperature range: -25°C to +70°C
- Minimum self-discharging
- Capacitance tolerance: -20% to +80%

DX Series

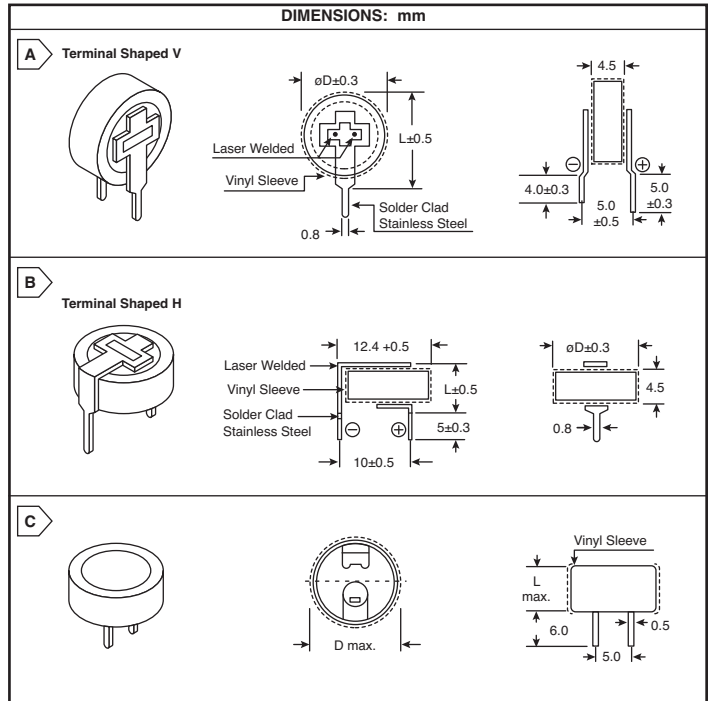
For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO. | Fig. | Volt (DC) | Value (F) | Dimensions: mm | | Price Each | | | | |
|-------------------|------|-----------|-----------|----------------|------|------------|------|------|------|--|
| | | | | D | L | 1 | 10 | 100 | 500 | |
| Vertical | | | | | | | | | | |
| 555-DX-5R5V473U | A | 5.5 | .047 | 11.5 | 13.5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| 555-DX-5R5V104U | A | 5.5 | .1 | 11.5 | 13.5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| 555-DX-5R5V224U | A | 5.5 | .22 | 11.5 | 13.5 | 2.01 | 1.77 | 1.59 | 1.43 | |
| 555-DX-5R5V334U | A | 5.5 | .33 | 11.5 | 13.5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| Horizontal | | | | | | | | | | |
| 555-DX-5R5H473U | B | 5.5 | .047 | 11.5 | 5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| 555-DX-5R5H104U | B | 5.5 | .1 | 11.5 | 5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| 555-DX-5R5H224U | B | 5.5 | .22 | 11.5 | 5 | 1.81 | 1.60 | 1.17 | 1.12 | |
| 555-DX-5R5H334U | B | 5.5 | .33 | 11.5 | 5 | 1.81 | 1.60 | 1.17 | 1.12 | |

DB Series

For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO. | Fig. | Volt (DC) | Value (F) | Dimensions: mm | | Price Each | | | | |
|------------------|------|-----------|-----------|----------------|-----|------------|------|------|------|--|
| | | | | D | L | 1 | 10 | 100 | 500 | |
| 555-DB-5R5D473T | C | 5.5 | .047 | 13.5 | 9.5 | 2.85 | 2.25 | 1.70 | 1.25 | |
| 555-DB-5R5D104T | C | 5.5 | .1 | 13.5 | 9.5 | 2.31 | 1.96 | 1.19 | 1.14 | |
| 555-DB-5R5D224T | C | 5.5 | .22 | 13.5 | 9.5 | 2.56 | 2.17 | 1.32 | 1.26 | |
| 555-DB-5R5D474T | C | 5.5 | .47 | 21.5 | 9.5 | 4.13 | 3.29 | 2.50 | 2.43 | |
| 555-DB-5R5D105T | C | 5.5 | 1.0 | 21.1 | 9.5 | 5.15 | 4.10 | 3.11 | 3.03 | |

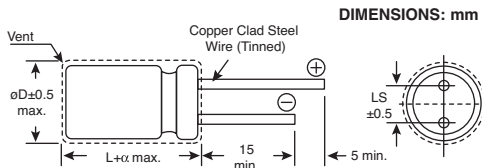


ELNA ELECTRIC DOUBLE LAYER CAPACITORS

The DZ Series is an entirely new type of high current capacitor that has extremely low internal resistance (only 10% of standard double layer caps), capable of undergoing virtually unlimited charge/discharge cycles with no deterioration. With capacitance ranging from 1F to 100F and internal resistance from ≤0.08 to 1.0Ω, they are ideal for CMOS backup, or they can function as a simple power supply.

Specifications:

- Temperature range: -40°C to +70°C
- Capacitance tolerance: -20% to +80%



DZ Series

RoHS Compliant

| MOUSER STOCK NO. | ELNA Part No. | Volt (DC) | Value (F) | Dimensions: mm | | | Price Each | | | |
|------------------|---------------|-----------|-----------|----------------|------|-----|------------|------|------|------|
| | | | | D | L | LS | 1 | 10 | 100 | 1000 |
| 555-DZ-2R5D105T | DZ-2R5D105T | 2.5 | 1.0 | 8.0 | 22.0 | 3.5 | 1.50 | 1.32 | 1.22 | 1.11 |
| 555-DZ-2R5D106T | DZ-2R5D106T | 2.5 | 10 | 12.5 | 23.0 | 5.0 | 9.72 | 7.95 | 6.33 | 5.56 |
| 555-DZ-2R5D335T | DZ-2R5D335T | 2.5 | 3.3 | 12.5 | 31.5 | 5.0 | 3.82 | 3.12 | 2.49 | 2.18 |
| 555-DZ-2R5D475T | DZ-2R5D475T | 2.5 | 4.7 | 18.0 | 35.0 | 7.5 | 5.73 | 4.68 | 3.73 | 3.28 |