

## New BestCap®

The BestCap® series of electrochemical supercapacitors offer excellent high power pulse characteristics based upon the combination of very high capacitance, ultra low ESR in the milliohm region, and DCL values in the low to sub-microamp range.

Based on a unique patented aqueous chemistry and an innovative design, the system offers high capacitance, even with short pulse duration regimes such as in GSM, GPRS and Edge systems.

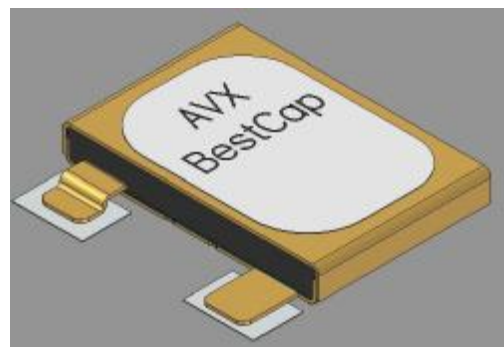
Used in conjunction with battery packs, BestCap® improves the voltage performance for high current pulses, resulting in higher PA efficiency and longer battery talk-time. BestCap® can also be used to boost instantaneous power availability in non-battery electronic applications where low level constant currents need to be supplemented by high current pulses.



## Characteristics

|                          |                   |
|--------------------------|-------------------|
| AVX Catalog Part Number: | BZ084B103ZNBCW    |
| Part Size (mm):          | 15 x 12 x 2.1*    |
| Temperature Range:       | -20°C to 60°C     |
| Rated Voltage:           | 4.5 V             |
| Capacitance (+80%/-20%): | 10 mF             |
| Leakage Current:         | 1.5 µA Max        |
| ESR (1 kHz, +20%/-50%):  | 680 mΩ            |
| Label:                   | Scribed onto case |

\* - 2.2mm Max Height



## Other Applications

RF Modems

Mainframe Computer Decoupling

Memory Back-up

Hybrid Battery Packs

Audio System “Base Line Stiffeners”

Camera Flash Systems

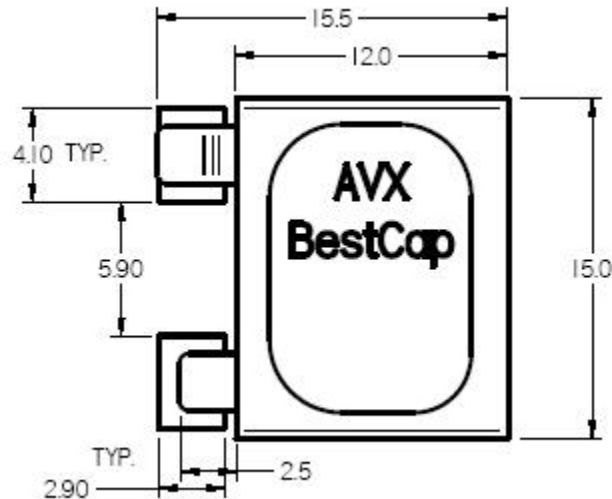
UPS

Switch Mode Power Supplies

Wireless Alarm Systems

Products / Systems based on GSM, DSC1800, PCS, DECT...

## Suggested PCB Layout



Dimensions in mm.



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