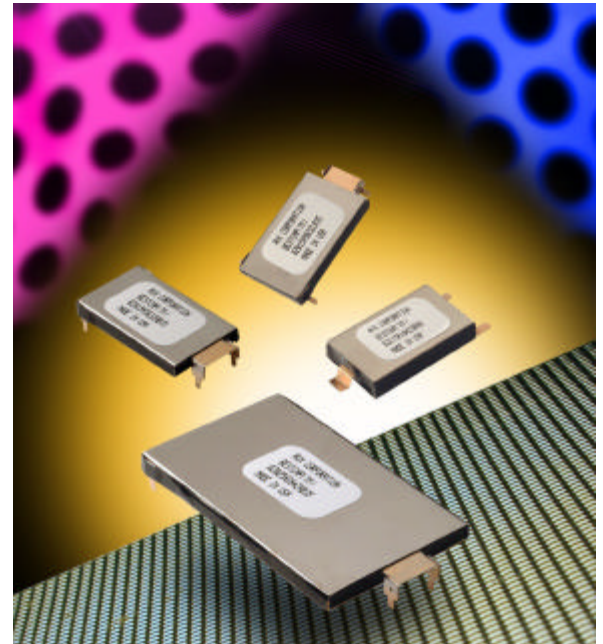


BestCap®

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.

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 and PCS based 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:	BZ125A105ZLB
Part Size (mm):	48 x 30 x 6.1 Max
Temperature Range:	-40°C to 75°C
Rated Voltage:	5.5 V
Capacitance (+80%/-20%):	1.0 F
Leakage Current:	40 μ A Max
ESR (1 kHz, +20%/-50%):	35 m Ω

Applications

RF Modems

Hybrid Battery Packs

UPS

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

Mainframe Computer Decoupling

Audio System "Base Line Stiffeners"

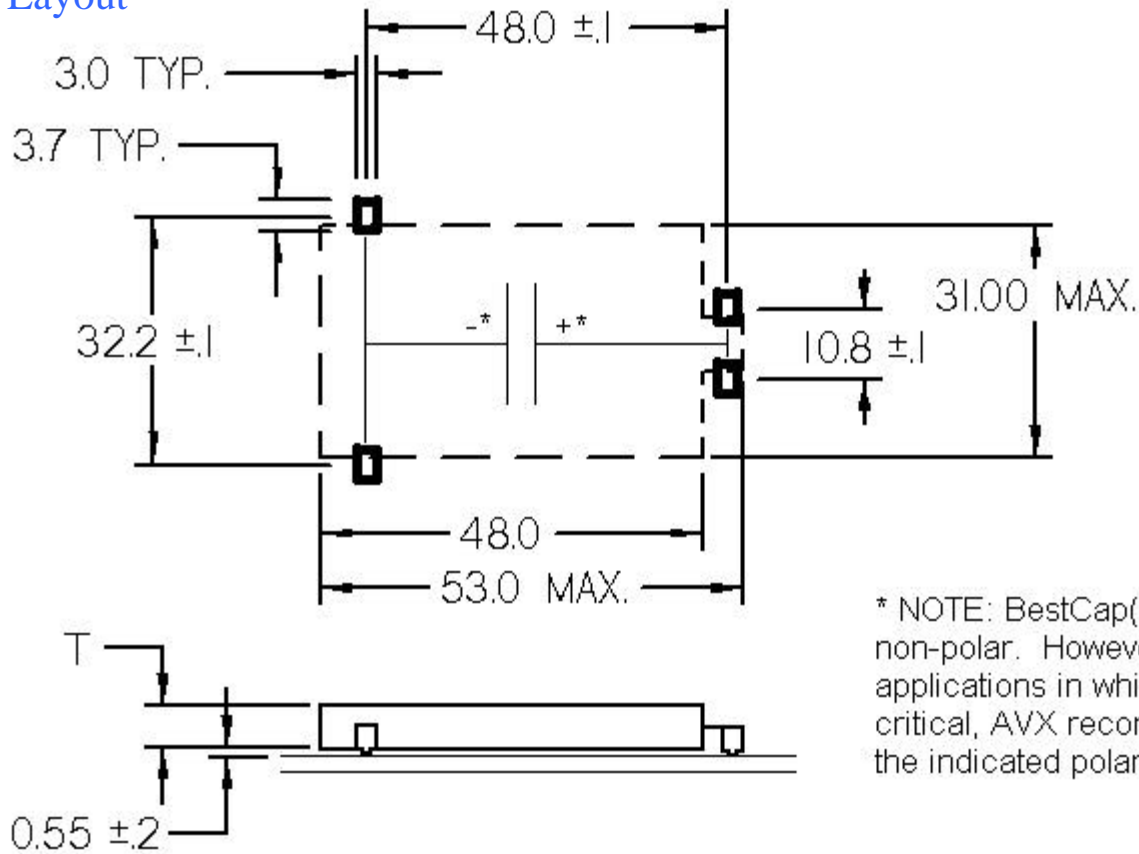
Switch Mode Power Supplies

Memory Back-up

Camera Flash Systems

Wireless Alarm Systems

PCB Layout



* NOTE: BestCap(TM) is non-polar. However, for applications in which EMI is critical, AVX recommends the indicated polarity.

All dimensions in mm.

BZ125A105ZLB: T = 6.1 Max



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