

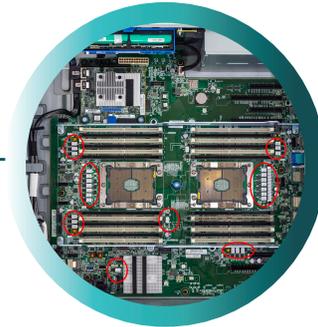
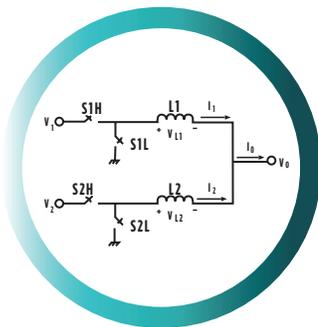


POWER INDUCTORS

HIGH CURRENT POWER BEAD INDUCTORS

Power bead inductors are typically used in high current multi-phase voltage regulators that power processors, memory modules and high current ASICs and FPGAs in a wide range of applications including servers, graphic cards, storage and data centers. In a multiphase architecture the current is broken into parallel paths and the operation (turn on/off) of each path is staggered such that the combined ripple current at the output is much less than that of each individual path. This ripple cancellation allows for the use of very small inductance values (50-300nH) in each path which means the power supply can respond to changes in load (transient response) much faster than a single phase implementation.

Pulse has been a world leader in power bead inductors since their inception over twenty years ago. Our high volume automated manufacturing enables us to produce components that are cost-effective while maintaining exceptional quality and reliability. Our relationships with top OEMs and Power IC manufacturers ensures that we have a wide-range of high energy density solutions and the lowest power loss.



FEATURES & BENEFITS

- Single turn construction for ultra low DCR
- Ferrite core minimizes AC loss
- Highest energy density (uJ/cm³)
- Inductance range from 20nH to 1uH
- Multiple footprints (4x4mm to 13x13mm)
- Flat inductance with frequency
- Fully automated assembly for low cost
- High reliability and exceptional quality

