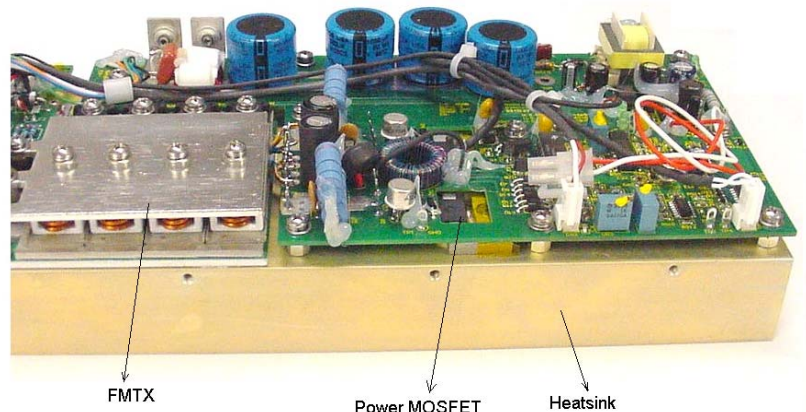


APPLICATION BRIEF

BTCPower's FMTX based Power Supply for Welding Machines

BTCPower's patented and advanced Flat Matrix Transformer Technology (FMTX) enabled the Company to design and market a line of power converters with the industry's highest current density in a quarter brick format. This proprietary high performance technology has been used successfully in BTCPower products for more than five years as a power source in numerous high technology applications including telecommunications, networking, and automatic semiconductor test equipment.

The Company has recently introduced FMTX as the power source for industrial machines requiring super high current density power, such as, welding machines and battery chargers. This technology, proven in high technology mission critical applications, provides a significant and demonstrable advantage over present power supply technologies. The unique characteristics of FMTX enable manufacturers in these industry segments to transform the use and mobility of their machines through a significant reduction in size and weight. There is also a measurable production cost benefit. The impact of BTCPower's FMTX on product cost and form factor can significantly expand existing markets and profit margins, as well as open new markets. BTCPower custom power supplies, employing the advanced features of the FMTX, will result in a major market share advantage to welding machine and battery charger manufacturers.



The benefits to welding machine manufacturers are illustrated in this example. The size of the BTCPower FMTX based power supply for a welding machine, with an output of 150 A, is approximately 11" X 8" X 3" and weighs about six pounds. This power supply is manufactured and shipped to the welding machine manufacturer as a complete unit. No assembly is required. The manufacturer only needs to add its own control board (that will plug into a connector on the power supply), a gas dispenser, a cable, and the case. The manufacturing cost is reduced due to a simplified assembly and test process and a reduction in component procurement and inventory. The smaller size requirement for the power supply will reduce the footprint and weight of the welding machine by approximately 30%. The smaller size enables the manufacturer to; a) keep the same case as the present machine, with empty space within, b) design a new and smaller case or, c) introduce a new machine based on the smaller form factor and lower cost to open a new market or to meet competition.

BTCPower's power supply design engineers will design the power supplies, using FMTX, to meet the manufacturers custom specifications. □