

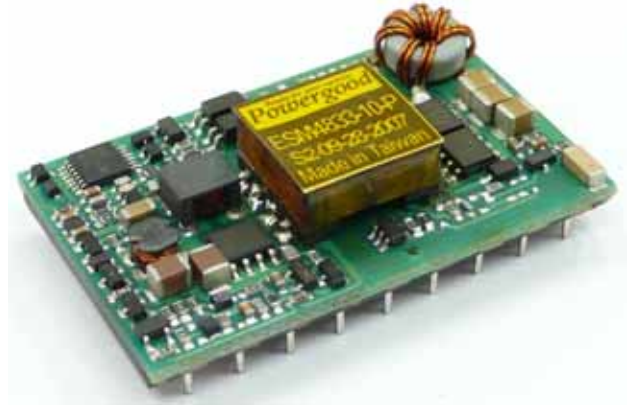
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Powergood offers New 4:1 Input Version and Pinned Version for SMD Converter Series

Taichuang, Taiwan, – February 18, 2008 – In response to market demand for Extra Wide Input range converters, Powergood (Small Tech. Research Group) has added two new 4:1 input models to their high efficiency ESM Series. The ESM brick (1.87" x 1.16" footprint) parts are capable of delivering up to 35W of output power, or up to 10A of output current at lower output voltage. The low-cost devices are designed to operate efficiently over a 4:1(2:1) input range of 18 to 75 VDC, facilitating their employment on boards with industry standard bus voltages of 24V, 48V or 60V. Notably, their ultra-wide input range permits the use of single power system designs, which are capable of operating in an extensive array of environments. The Series is RoHS compliant and withstand a basic isolation voltage from input to output of 2250VDC.



Now, ESM modules have pinned version option, are aimed at customers who do not require surface-mount modules and prefer conventional, through-hole assembly methods.

The open frame construction of the ESM Series, combined with its input voltage range and footprint of less than 1.2-square inches, makes it highly appropriate for use in a wide assortment of networking, telecom, wireless and industrial designs requiring tight board spacing. The most common employment is on PC boards in mobile/optical switches, high capacity network routers, high-end datacom and medical systems, as well as in a variety of systems using distributed power architecture.

ESM converters boast fixed frequency synchronous rectification control for high efficiency, together with positive/negative remote sense, remote on/off logic, and +/-5% output trim. Protection features include input and output over-voltage protection, over-temperature protection, current limit and short circuit protection, and under voltage lockout. They are provided with either active-high or active-low on/off polarity. Modules operate over an ambient temperature range of -40 to +85 degrees C. The standard lead time for quantity orders is from stock to 6 weeks. Samples are available immediately. To learn more about the ESM Series, visit www.powergood.com