

Power Modules Provide Ultra-high Levels of Isolation



Minmax's MIHW3000 Series power modules are designed to provide ultra-high levels of isolation 5600V DC in a low profile 24-pin DIP package. Operating input voltage ranges of 9V DC to 18V DC, 18V DC to 36V DC and 36V DC to 75V DC which provide precisely regulated output voltages of 5V, 12V, $\pm 12V$ and $\pm 15V$ DC. The $-40^{\circ}C$ to $+55^{\circ}C$ operating temperature range makes it suitable for data communication equipments, mobile battery driven equipments, distributed power systems, telecommunication equipments, mixed analog/digital subsystems, process/machine control equipments, computer peripheral systems and industrial robot systems. The modules have a maximum power rating of 6W and a typical full-load efficiency of 80 percent, continuous short circuit, EN55022 Class B conducted noise compliance minimize design-in time, cost and eliminate the need for external filtering. The converter is encapsulated in a low thermal resistance-molding compound that has excellent resistance/electrical characteristics over a wide temperature or in high humidity environments. The encapsulant and unit case are both rated to UL 94V-0 flammability specifications. Leads are tin-plated for improve solder ability.

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