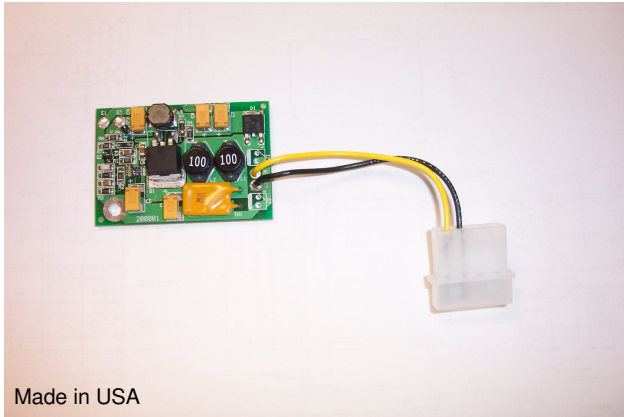


RAM Technologies

VB2000 VOLTAGE CONVERTER MODULE



The VB2000 voltage boost module is a high efficiency non isolated DC/DC converter design to interface with ATX power supplies where voltage boost is required. The VB2000 eliminates the need for additional AC/DC power supplies. The output can be preset to any voltage between 14 and 24 volts. At 24 volts the module is capable of delivering over 80 watts. Input/output wiring harness may be customized for specific requirements.

Specifications

Input

Input Voltage Range: 10 to 14 VDC
Efficiency: > 90%

Output

Current: 3.5 amps 4 amps peak
Voltage: Factory set to 14 to 24 vdc.
Overvoltage Protection: +15% of set point

Environmental

Operational Temperature: 0 to 50°C
Storage Temperature: -40 to 80°C
Operational Humidity: 0 to 95%NC
Storage Humidity: 0 to 95%NC
Operational Altitude: -500 to 10,000 FT
Storage Altitude: -500 to 40,000 FT
MTBF: >500,000 hours @35C

VB2000 VOLTAGE CONVERTER MODULE

Symbols Used



Attention, consult accompanying documents



Protective earth ground

Warranty

3 years

Mechanical Specifications

