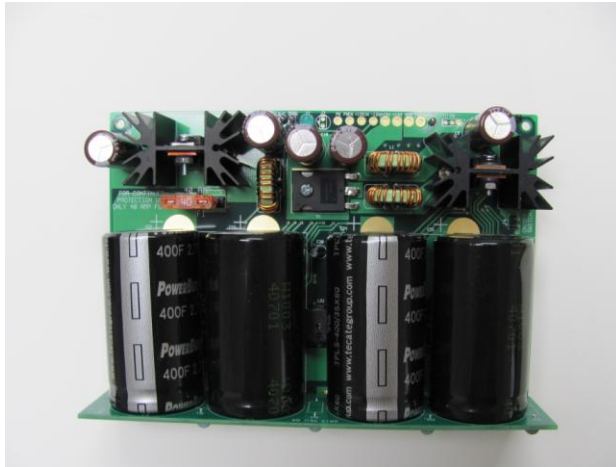


RAM Technologies

RAM Ultra UPS 8000



The model 8000 Ultra UPS module is the world's first patented back-up power supply utilizing Ultra Capacitor technology. The module contains the charge and discharge circuitry to ensure high efficiency energy transfer. The proprietary module is designed to directly interface with RAM Technologies line of ATX/SFX medical grade power supplies. The UPS800 may also be used in a stand-alone configuration. The module may be expanded by adding additional Ultra Capacitor modules. The base module contains 5k Joules of energy; expansion modules also contain 5k Joules of energy. There is no limit to the number of additional modules other than space. RAM can customize for your application.

Benefits

- Over 500,000 cycles, 100% DC
- Ultimate in reliability
- RoHS/REACH compliant carbon based Ultra Capacitors
- Patented #USA8035356
- Replaces external UPS
- Auto shut down signal to mother board for safe shutdown

Specifications

Input

Input Voltage Range: +12 VDC (6V to 28V)
Efficiency: > 90%
Power Good signal: 30ms before loss of output
Charge time: 2 minutes per 5kJ module

Output

Current: 25 Amp max. (300W)
Voltage: 12V (12V to 28V)

Environmental

Operational Temperature: 0 to 60°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: 1,000,000 hours

Symbols Used



Attention, consult accompanying documents



Protective earth ground

Input Signal PG, 30ms hold up Output Signals

AC on: Low (open drain) J2 pin 2
Full Charge: Low (open drain) J1 pin 2
Auto shut down signal to motherboard: (80ms)

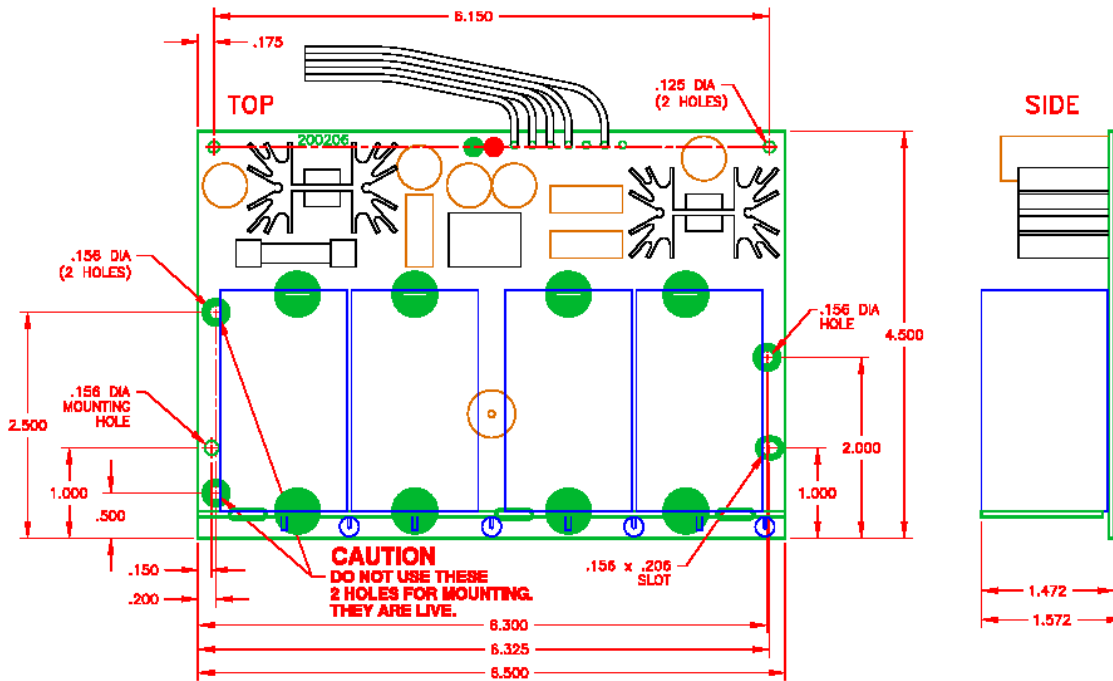
Warranty

3 years

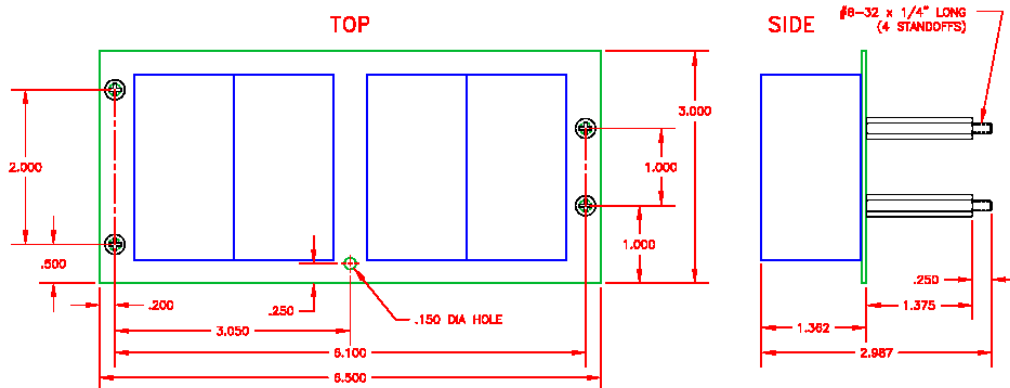
RAM Ultra UPS 8000

Mechanical Specifications

RAM Ultra UPS 8000 Mechanical Specifications



MAINS UPS MODULE



OPTIONAL MODULE