

New low cost switching regulator module

Switching regulator ICs offer good efficiency but require a significant time investment in design, PCB layout and component choice. The power supply is usually the last part in any new project to be implemented and any delays can be very expensive.

RECOM's brand new R-78E5.0-0.5 low cost switching regulator module now offers all the advantages of a switching regulator (high efficiency, wide input voltage range, accurate output voltage regulation). The R-78E offers a risk-free, pre-tested solution that makes designing your own switching regulator circuit redundant.

The R-78E5.0-0.5 meets all of the most commonly requested specifications yet makes no compromise when it comes to quality and reliability as it is guaranteed with a full 3 year warranty from RECOM. The input voltage covers the 7VDC to 28VDC range which allows operation from both an industrial 24V bus or from either a 9V or 12V battery. The converter is fully protected against overload, short circuit and over-temperature conditions. Due to the R-78E's high efficiency of up to 92% at an output voltage of 5V/500mA, no heat-sink is required for operation over the full industrial temperature range of -40°C to +85°C (+70°C without de-rating). The compact SIP3 package, TO-220 compatible, measures only 11.6 x 8.5 x 10.4mm saving precious board space.

These features make the R-78E5.0-0.5 the most economic choice today for many applications. The R-78E5.0-0.5 will save engineers significant development time and keep their BOM under budget with this fully functional, fully tested and fully protected power supply solution.

Datasheets and additional information can be found on <http://www.recom-international.com>



Available RECOM part

- R-78E5.0-0.5

Unique Selling Proposition

- Low Cost
- 7 – 28V input voltage range (4:1)
- Fully protected outputs

Target Markets

- Industrial
- Medium and large volume applications
- Battery powered devices
- 24V Bus powered devices

Main Features

- 5V Output Voltage
- Efficiency up to 92%
- -40°C to +85°C Operating Temperature