

FEATURES

- Guaranteed Output Current of 1.5A
- Very Low Dropout Voltage
- Accurate 1% Initial Tolerance
- Good Line and Load Regulation
- Extremely Fast Transient Response
- Reverse-Battery/ Load-Dump Protection
- Adjustable Output Voltage up to 25V
- TTL/CMOS Compatible Enable Logic
- Over-Temperature/Over-Current Protection
- Available in TO-263-5L Package
- Moisture Sensitivity Level 3

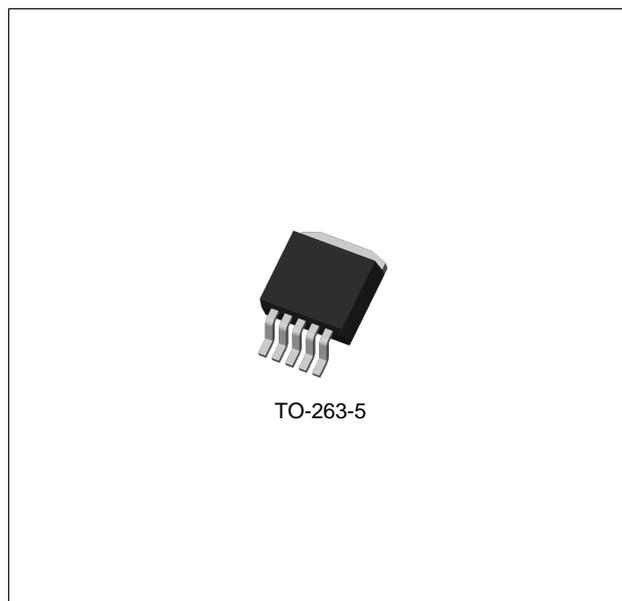
APPLICATIONS

- Battery Powered Equipment
- Automotive Electronics
- High Efficiency Linear Power Supplies
- High Efficiency Post Regulator for Switching Supply

DESCRIPTION

The TPS7A4501 is a high current, high accuracy, and low-dropout voltage regulator. Using process with a PNP pass element, these regulators feature 350mV (full load) dropout voltages and very low ground current. These devices also find applications in lower current, low dropout-critical systems, where their tiny dropout voltage and ground current values are important attributes.

The TPS7A4501 is fully protected against over current faults, reversed input polarity, reversed lead insertion, over temperature operation, and positive and negative transient voltage spikes. TPS7A4501 features logic level enable control and an error flag which signals whenever the output falls out of regulation. The EN pin may be tied to VIN if it is not required for On/Off control.



ORDERING INFORMATION

Device	Package
TPS7A4501R	TO-263-5L

Please contact us for more information about this product.