

# 深圳市芯创世纪电子有限公司



SEAWARD  
ELECTRONICS

SE7550

150mA Low Dropout Linear Regulator

## General Description

The SE7550 is a very low dropout three-terminal regulator. The SE7550 is specifically designed to work with SE8801 for the electricity meter applications. SE7550 is capable of delivering 150mA output current at a very low dropout voltage of 0.82V (Typical). The other unique and important feature is the low noise. SE7550 has a ripple rejection ratio at 62dB (Typical) and this helps to reduce the overall system noise level. The high precision output at 2% ensures that the accurate power supply requirement is met with enough margin in many tough applications.

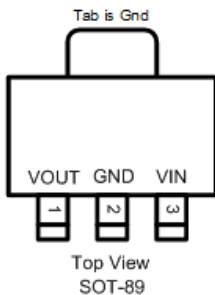
The SE7550 also provides Over Current Protection (OCP) and Over Temperature Protection (OTP) . Both these features will ensure a safe operating environment for electricity meter applications.

The SE7550 is available in SOT-89 packages

## Features

- Output voltage of 11.6V (Typ.)
- Output current up to 150mA (Typ.)
- Current limiting
- Over thermal Protection.
- Minimum external components.
- Output voltage tolerances of  $\pm 2\%$
- Input Voltage up to 30V
- Operating Junction Temperature Range -40 to +125°C
- ESD rating is 2KV (Per MIL-STD-883D)

## Pin Configuration



## Applications

- Electricity meter
- Networking Equipments where low noise and low power consumption is required.

## Application Circuit

