

1.5A Low Dropout Regulator

Features

- 1.2V, 1.8V, 2.5V and 3.3V Options
- Over Current and Over Temperature Protection
- 400mV Dropout @1.5A
- MLCC Capacitance Stable
- TO-252 and TO-263T Package

Applications

- Battery Powered Systems
- Motherboards
- Peripheral Cards
- Set Top Boxes
- Notebook Computers

General Description

The AT9915 is a high performance positive voltage regulator designed for use in applications requiring very low dropout voltage at up to 1.5 Amps. The AT9915 provides excellent regulation over variations in line, load and temperature. AT9915 is stable with minimum 4.7μF MLCC (X5R) output capacitor.

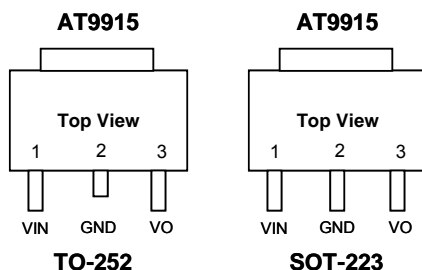
The AT9915 is available with 1.2V, 1.8V, 2.5V and 3.3V internally preset outputs.

Ordering Information

ORDER NUMBER	MARKING	VOLTAGE	TEMP. RANGE	PACKAGE (Green)
AT9915-12T45U	A9915-12	1.2V	-40°C ~ +85°C	TO-252
AT9915-18T45U	A9915-18	1.8V	-40°C ~ +85°C	TO-252
AT9915-25T45U	A9915-25	2.5V	-40°C ~ +85°C	TO-252
AT9915-33T45U	A9915-33	3.3V	-40°C ~ +85°C	TO-252
AT9915-12T65U	A9915A	1.2V	-40°C ~ +85°C	SOT-223
AT9915-18T65U	A9915B	1.8V	-40°C ~ +85°C	SOT-223
AT9915-25T65U	A9915C	2.5V	-40°C ~ +85°C	SOT-223
AT9915-33T65U	A9915D	3.3V	-40°C ~ +85°C	SOT-223

Note: T4: TO-252 T6: SOT-223
 5: Bonding Code
 U : Tape & Reel

Pin Configuration



Typical Application Circuit

