



# New Product Announcement

---

## AP7330

## High PSRR, Low Noise LDO with Enable Function

The AP7330 is a low dropout regulator with high output voltage accuracy, low RDS(ON), high PSRR, low output noise and low quiescent current. This regulator is based on a CMOS process, with a 300mA output current.

The AP7330 includes a voltage reference, error amplifier, current limit circuit and an enable input to turn it on and off. With its low power consumption and line and load transient response, the AP7330 is well suited for low power handheld communication equipment.

The AP7330 is packaged in SOT25 packages, allows for smallest footprint and dense PCB layout.



### The Diodes Advantage

- **Wide Input Voltage: 1.8V to 5.5V**  
Input Voltage up to 5.5V suitable for most consumer applications
- **Wide Output Voltage: 1.0V to 4.5V**  
Wide output voltage down to 1.0V meets the need of lower system operating voltage
- **High PSRR 80dB at 1KHz**  
Offers stable output voltage to improve system stability
- **1.0% Output Accuracy at Room Temperature**  
Offers accurate output voltage
- **Industry Standard SOT25 Package**  
Ease of use
- **Protection Features**  
Over-temperature protection and short-circuit protection.

### Circuit Functions

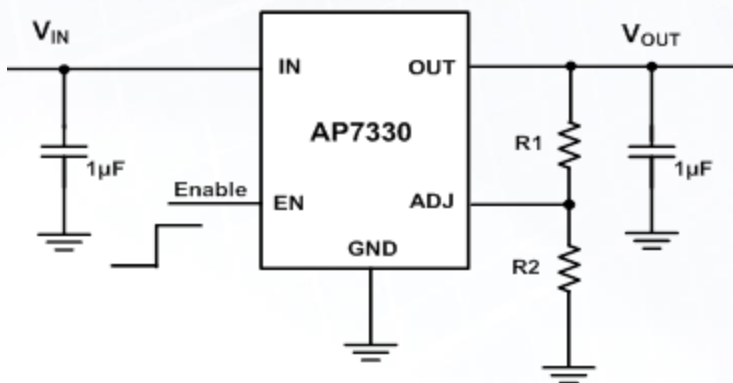
- Provide regulated output voltage
- Enable
- Over-temperature protection and short-circuit protection



# New Product Announcement

## AP7330

### Circuit Diagram



### Product Portfolio

Part Number	V <sub>IN</sub> (V)	V <sub>OUT1</sub> (V)	I <sub>OUT</sub> (mA)	V <sub>DROP</sub> @ Full Load (mV)	I <sub>Q</sub> (µA)	Output Accuracy (%)	Enable	BYP ASS Cap	Package
AP7330-W5-7	1.8 to 5.5	1.0~4.5	300	220	60	1	Yes	No	SOT25
AP7330D-W5-7	1.8 to 5.5	1.0~4.5	300	220	60	1	Yes	No	SOT25

To find out more information: <https://www.diodes.com/part/AP7330>

### Ordering Information

Part Number	Package Code	Packaging	7" Tape and Reel	
			Quantity	Part Number Suffix
AP7330-W5-7	W5	SOT25	3,000/Tape & Reel	-7
AP7330D-W5-7	W5	SOT25	3,000/Tape & Reel	-7

