



New Product Announcement

AP7345D

Dual 300mA High PSRR Low Noise LDO With Enable

The AP7345D is a Dual low dropout regulator with high output voltage accuracy, low $R_{DS(on)}$, high PSRR, low output noise and low quiescent current. This regulator is based on a CMOS process.

Each of regulators includes a voltage reference, error amplifier, current limit circuit and an enable input to turn on/ off output. With the integrated resistor network fixed output voltage versions can be delivered.

With its low power consumption and line and load transient response, the AP7345D is well suited for low power handheld communication equipment.

The AP7345D is packaged in X2-DFN1612-8 package and allows for smallest footprint and dense PCB layout.



The Diodes Advantage

The AP7345D maximizes system run times with its extremely low quiescent current.

- **Wide Input Voltage: 1.7V to 5.25V**
Offers operation down to 1.7V supporting operation over the whole range of 2 AA/AAA cells
- **High PSRR (75dB @1kHz) and Low noise (60 μ Vrms @10kHz~100kHz)**
Suitable for noise-sensitive applications such as audio, video and RF subsystems
- **Low Quiescent Current at 50 μ A with Enable**
Minimize standby power in low-power systems
- **Your Product Can Now Be Smaller, Lighter and Thinner**
Matches industry standard footprints
Enable function on one extends battery life
- **Dual Low Dropout Regulator**
Minimize external components needs for power solution
- **1.0% Output Accuracy at Room Temperature, 1.5% over -40 to +85°C**
Maintains accuracy under all conditions

Applications

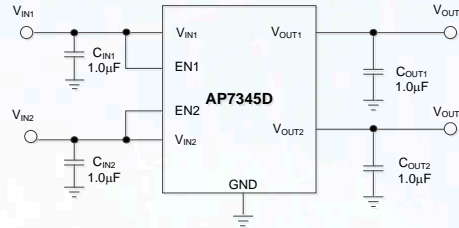
- Smart Phone/PAD
- RF Supply
- Cameras
- Wireless Communication
- Portable Video
- Portable Media Player
- Wireless Adapter



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Typical Application Circuit



Product Portfolio

Part Number	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	V _{DROP} @ Full Load (mV)	I _Q (µA)	Output Accuracy (%)	Enable	Package
AP7345D-XXXXXXRH4-7	1.7 to 5.25	1.2V/1.8V 1.5V/2.8V 1.8V/1.2V 1.8V/1.5V 1.8V/1.8V 1.8V/2.8V 1.8V/3.3V 2.5V/1.8V 2.8V/1.2V 2.8V/1.8V 2.8V/2.5V 2.8V/3.3V 2.8V/2.8V 2.85V/2.85V 3.0V/1.8V 3.0V/2.8V 3.0V/3.0V 3.3V/1.8V 3.3V/2.8V 3.3V/3.0V 3.3V/3.3V 3.6V/1.2V	300	300	50	1.5	Yes	X2-DFN1612-8

To find out more information: <https://www.diodes.com/part/AP7345D>

Ordering Information

