

4 Channel 300mA High PSRR Low Noise LDO with Enable

The AP7348 is a 4-channel low dropout regulator with high output voltage accuracy, high PSRR, low output noise and low quiescent current.

Each of the 4 LDO outputs are capable of 300 mA of current. Sub-system power requirements may change dynamically, and a large temporary current may be needed from one of the LDOs.

The AP7348 has two enable inputs with EN1 controlling both Vout1 and Vout3 leaving Vout2 and Vout4 to be controlled by EN2. During disable, the two associated channels will discharge.

The AP7348 is available in 1.2V, 1.5V, 1.8V, 2.5V, 2.8V, 3.0V, 3.3V and 3.6V fixed output voltage versions.

It is available in a X1-DFN1612-8 (Type B) package.



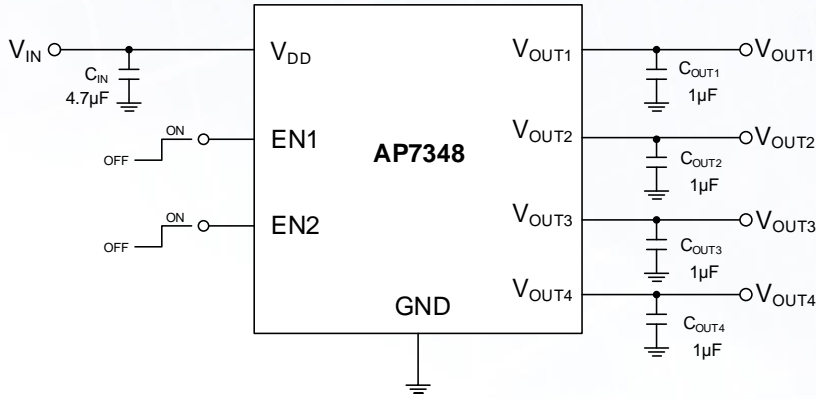
The Diodes Advantage

- High PSRR (75dB @ 1kHz) and Low Noise (60 μ Vrms @ 10Hz - 100kHz)**
 Suitable for noise sensitive applications such as multi-lens camera or sensor applications
- Four 300 mA LDOs in 1.2 mm x 1.6 mm Package.**
 Assists in saving board space and component count
- Total Quiescent Current of 160 μ A Total for 4-channels**
 Offers power savings in low-power and battery-operated products
- 1.0% Output Accuracy at Room Temperature**
 Maintains accuracy under all load and line conditions

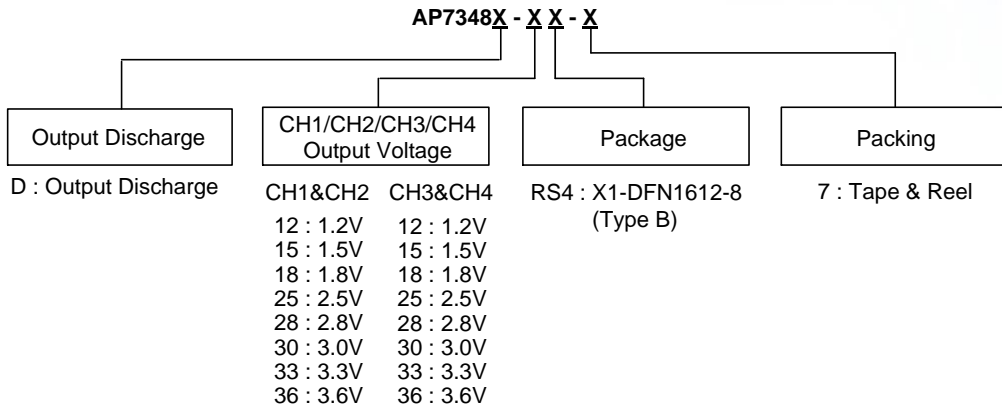
Applications

- Smartphones, tablets
- RF power supplies in IoTs/LPWANs/smart meters/appliances
- 4G/5G/Wi-Fi/MiFi access points/adapters/routers
- Camera modules in security/industrial/network/panoramic devices and drones

Typical Application Circuit



Ordering Information



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
AP7348D-XXXXRS4-7	1.7 to 5.25	CH1&CH2 1.2V, 1.5V, 1.8V, 2.5V, 2.8V, 3.0V, 3.3V, 3.6V CH3&CH4 1.2V, 1.5V, 1.8V, 2.5V, 2.8V, 3.0V, 3.3V, 3.6V	300	250	160*	1	Yes	X1-DFN1612-8 (Type B)

* EN1= EN2=Active

For more information:
<https://www.diodes.com/part/AP7348>