

Dear Customers!

Welcome to the latest edition of ICdirect NEWS, issued on a regular basis by ICdirect, austriamicrosystems' webshop for analog solutions. ICdirect NEWS contains news, facts and information to help you to get the best out of our products and services.

In this issue you will find news about

▶ **AS1507**

Dual 8-bit digital potentiometer with high performance EEPROM

▶ **AS1369**

High performance miniature sized 200mA ultra low dropout regulator

▶ **AS3658**

Power management unit which saves costs and offers excellent audio quality

AS1507

Dual 8-bit digital potentiometer with high performance EEPROM



The AS1507 is a 256-tap SPI-interfaced non-volatile dual digital potentiometer available with 10, 50 and 100kOhms resistance. Operating from a single supply from 2.7 to 5.5V the AS1507 delivers an excellent integral nonlinearity of $\pm 0.5\text{LSB}$ (max) as well as outstanding differential nonlinearity of $\pm 0.5\text{LSB}$ (max). The integrated EEPROM allows 10 million write cycles at 25°C which is 50 times more than conventional high grade EEPROM. Additionally, the AS1507 delivers unbelievable 150 years of data retention at 85°C .

[Read more](#)

AS1369

High performance miniature sized 200mA ultra low dropout regulator



The AS1369 miniature sized ultra-low dropout regulator offers guaranteed 200mA output current squeezed out of an 1mm² WL-CSP. With an operating input voltage between 2V and 5.5V the AS1369 is ideal for dual or triple standard-cell and single Li-Ion battery powered applications and is available in a variety of preprogrammed output voltages from 1.2V to 5.0V with an accuracy of 0.7%. Offering a low dropout voltage of 80mV @ 200mA together with an extremely low quiescent current of only 25µA and stunning 5nA during shutdown.

AS3658

Power management unit which saves costs and offers excellent audio quality



The AS3658, a highly integrated power and audio management unit with sophisticated audio features is ideally suitable for portable navigation devices, portable media players, smart phones, PDAs and a wide range of other battery powered devices. It offers an integrated solution for power supply generation, monitoring and battery management including charging. The charger offers up to 1.6A charging current, ideally suitable for fast charging of large batteries. The programmable power management functions significantly extends battery life.

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