

Thursday, Apr 07, 2011 7:54



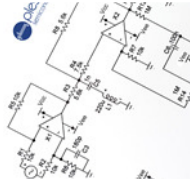
Plessey Semiconductors, PS13000

## Plessey Semiconductors releases PS13000 Series Operational Amplifiers

News Release from: Plessey Semiconductors  
05 April 2011

Plessey Semiconductors today announced the availability of samples of its PS13000 series current feedback operational amplifiers. The first parts to be offered are quad-configuration devices, with four identical amplifiers on a single chip, supplied in 14-pin small outline, miniature plastic packages (SO-14).

The PS13004 combines high-performance with low power operation, featuring a small-signal bandwidth of 280MHz and slew rate of 1100V/ $\mu$ s with the ability to drive 65mA outputs and yet only requiring 3.3mA of static supply current. By comparison, the PS13014 is optimised for a higher bandwidth of 450MHz and 1500V/ $\mu$ s slew rate. It is also capable of driving 65mA outputs but the additional performance does incur the slightly higher static supply current of 5.2mA. Both devices exhibit excellent gain flatness to within  $\pm 0.1$ dB; 60MHz for the PS13004 and 120MHz for the PS13014.



Dr Keith Strickland, Technology Director at Plessey Semiconductors, said, "These features and performance add up to devices that are ideally suited to video applications where signals must be driven over significant cable lengths. Our op amps have a superior specification and the matching between amplifiers enables the implementation of high-order active filters or twisted pair driver/receivers. The integration of four amplifiers in a single package is also proving to be attractive and cost-effective for less demanding applications at audio frequencies."

The PS13004 and PS13014 are offered in 14-pin small outline (SO) packages. Samples are available now. The devices are supported by comprehensive datasheets and evaluation boards.

[Download Datasheet - PS13004](#)

[Download Datasheet - PS13014](#)

### More from Active Components

Fairchild Semiconductor's Ultra FRFET MOSFETS Win ACE Power Product of the Year Award in China



**PSR/SSR Mixed PWM Controller from Fairchild Semiconductor Provides Ultra-Low Standby Power Under 10mW for Portable Device Chargers**

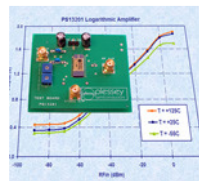


**Intersil Introduces Industry's Best ADC Driver for High Speed Applications**

### More from Plessey Semiconductors



**Plessey Semiconductors introduces PS12000 – 3 to 6 Channel RF power splitter**



**Plessey Semiconductors releases 500MHz Logarithmic/Limiting Amplifier with 75dB dynamic range**

**Plessey Semiconductors announces collaboration with the University of Sussex on breakthrough Electric Potential Sensor technology**

