



12-Bit, 200 MSPS, Current Steering Digital to Analog Converter (DAC)



SCL Part No.

SC9023-0

PRODUCT DESCRIPTION:

The SC9023-0 is integrated 12-bit, 200MSPS digital-to-analog converter with a tuneable full-scale current from 2mA to 20mA and having two complementary outputs. It has got an on-chip precise low drift voltage reference of 1.2V. SC9023-0 can also operate with an external reference. This may improve the DC accuracy if the external reference circuitry is superior in its drift and accuracy. Latches are provided for high-speed synchronization providing better AC characteristics for DAC. This ASIC is fabricated in 180nm SCL CMOS technology.

FEATURES:

- Operating Voltage: 3.3V/1.8V
- Resolution: 12Bits
- Data Rate: 200MSPS
- Full Scale Current: 2mA to 20mA
- On Chip Voltage References
- Input straight Binary Format
- Power Consumption < 100mW
- Operating Temperature (TA): -55°C to +125°C
- Package: 64 PIN CQFP
- SCL's 180nm CMOS Technology

