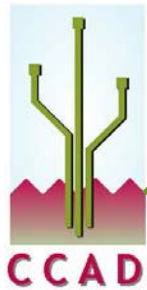


Amp Opamp

CCAD905 Datasheet



Product Description

CCAD905 is a general purpose opamp with dual power mode and can act as opamp or comparator. The circuit was designed and fabricated in TSMC's 0.18u CMOS technology, and has been fully characterized for adherence to the Electrical Performance Specifications.

It is available as a GDSII layout file, and includes a Cadence library containing schematics, symbols and cell layouts. CCAD also provides an AHDL model for system simulation.

The CCAD905 is an ideal circuit for integration into a wide variety of ASICs and ASSPs.

CCAD also offers customization and integration services.

Features

- Dual power rail
- Wide input range [0 to AVDD]
- Rail- to-rail output range [0.2V to AVDD-0.2V]
- GBW = 2.5MHz
- Slew rate = 1.2V/usec
- Two modes of operation
 - Op-amp
 - Comparator
- Selectable power mode
 - Low power < 50uA
 - High power < 250uA
- Industrial Temperature Range [-40C to 125C]

- Die Area [452um x 106um]
- Available in TSMC 0.18u CMOS
- Portable to other CMOS processes

Applications

- General Purpose opamp

Circuit Diagram

