



## PRODUCT OUTLINE

### CM1112ae – Linear Voltage Regulator

High Input Voltage (30V), Output Load up to 5mA

## Part Number

- CM1112ae

## Features

- High-voltage linear voltage regulator
- Flexible input voltage range: 5–30V
- 3.3V output voltage
- Output load up to 5mA
- Short-circuit protection
- Indicative area: 0.26mm<sup>2</sup> (including high-voltage pad)

## Applications

- Microcontrollers
- Industrial control
- Appliances

## Technology

- X-FAB 0.35µm XH035 CMOS

## Deliverables

- Datasheet/Integration Guide
- HDL Model
- Flat GDSII database/LVS netlist
- Customer Support

## Status

- Silicon Proven

## Overview

This macro-cell is a general purpose linear voltage regulator core designed for X-FAB 0.35µm XH035 CMOS technology.

The circuit generates a 3.3V output voltage from an unregulated input voltage ranging from 5V to 30V. It features short circuit protection and 5mA output current capability. It is best biased using the CM1511ae (combo voltage/current reference).

The core is easily retargeted to any other CMOS technology with R-poly devices.

## Functional Diagram

