



PRODUCT OUTLINE

CM4035ff – 6MHz 1.8V Low-Power Oscillator
 +/- 1% after trimming. Re-targetable to 1-30MHz

Part Number

■ CM4035ff

Features

- 6MHz +/- 1% after trimming
- Supply 1.8V +/- 10%
- Low power (17µA)
- Low TC (>175ppm/°C)
- 7-bit trimming
- Self-biased, built-in references
- Indicative area: 0.0165mm²
- Load capacitance: <100fF

Applications

- Battery powered ICs
- PMIC
- IoT applications

Technology

- Silterra 0.18µm CMOS I18L

Deliverables

- Datasheet / Integration Guide
- HDL Model
- Flat GDS Database / LVS Netlist
- Customer Support

Status

- GDS available

Overview

This macro-cell is a low power, precision, general purpose 1.8V 6MHz +/- 1% PVT internal oscillator core aimed for clock generation. A 7-bit digital bus allows frequency adjustment against process variations.

It features self-biased, built-in references.

The core can be easily retargeted to any other frequencies between 1MHz and 30MHz and other CMOS technology that includes poly resistors.

Functional Diagram

