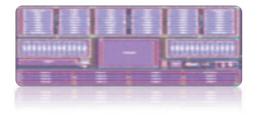
# **chipus**



#### Part Number



#### Status

GDS Available

#### Features

CM4044hh

- 25kHz ± 2.5% after trimming
- Wide Supply Voltage Range:
  - From 1.71 to 5.5V
- Op. Temperature Range:
  - From -40°C to 85°C
- Trimmable
- Indicative area: 0.031*mm*<sup>2</sup>

## Applications

Portable Devices SoC/PMIC

## Technology

TSMC 0.13μm BCD Gen3+

#### Deliverables

- Flat GDS Database
- LVS Netlist
- LIB
- LEF
- Documentation

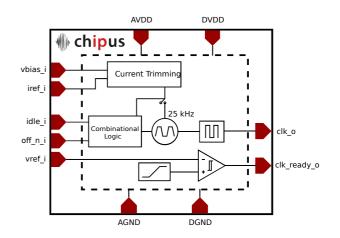
# Overview

The CM4044hh is a low power, high-accuracy, output glitch-free, wide supply voltage range, general purpose 25kHz oscillator. It achieves an  $\pm$  1% after trimmed @ 27°C and  $\pm$ 2.5% from -40 to 85°C. A digital bus allows frequency adjustment against process variation.

The trimming covers  $\pm 23\%$  of the frequency range, and has minimum variation (1 LSB) of 200Hz.

It is suggested to combine this IP with CM1227hh IP which has all the characteristics needed for the reference current and voltages.

## Functional Diagram



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