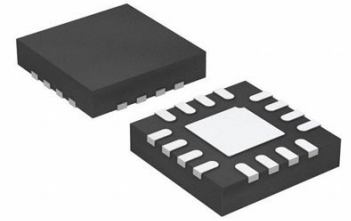


Clock Generator 1MHz to 500MHz-IN 2600MHz-OUT 64-Pin WQFN EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: WQFN64

Product Type: Clock & Timer ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The LMK03806 device is a high-performance, ultra low-jitter, multi-rate clock generator capable of synthesizing 8 different frequencies on 14 outputs at frequencies of up to 2.6 GHz. Each output clock is programmable in LVDS, LVPECL or LVCMOS format. The LMK03806 integrates a high-performance integer-N PLL, low-noise VCO, and programmable output dividers to generate multiple reference clocks for SONET, Ethernet, Fiber Channel, XAUI, Backplane, PCIe, SATA, and Network Processors from a low-cost crystal.

Key Features

High Performance, Ultra Low Jitter Clock Generator

Low Jitter

< 50-fs Jitter (1.875 MHz – 20 MHz) at 312.5-MHz Output Frequency

< 150-fs Jitter (12 kHz – 20 MHz) at 312.5-MHz Output Frequency

Generates Multiple Clocks from a Low-Cost Crystal or External Clock.

14 Outputs With Programmable Output Format (LVDS, LVPECL, CMOS)

Up to 8 Unique Output Frequencies.

Industrial Temperature Range: -40 to 85 °C

Tunable VCO Frequency from 2.37 – 2.6 GHz

Programmable Dividers to Generate Multiple Clocks from a Low Cost Crystal.

3.15-V to 3.45-V Operation

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Recommended For You

LMK00334RTVR

Texas Instruments, Inc
WQFN32

LMC555CM

Texas Instruments, Inc
SOP8

LM555CM

Texas Instruments, Inc
SOP8

LMC555CMX/NOPB

Texas Instruments, Inc
SOP8

LM555CN

Texas Instruments, Inc
DIP8

LM555J/883

Texas Instruments, Inc
CDIP8

LMC555CMMX

Texas Instruments, Inc
MSOP8

LM555CN/NOPB

Texas Instruments, Inc
DIP8

LMC555CMMX/NOPB

Texas Instruments, Inc
VSSOP8

LMK00101SQE/NOPB

Texas Instruments, Inc
WQFN32

LM555H/883

Texas Instruments, Inc
CAN

LMK1C1102DQFR

Texas Instruments, Inc
WSON-8

LMC555CN

Texas Instruments, Inc
DIP

LMC555IMX/NOPB

Texas Instruments, Inc
SOP8

LMC555CTP

Texas Instruments, Inc
DSBGA