Product Overview

FS7145: I²C Programmable 1-PLL Clock

For complete documentation, see the data sheet.

The FS7140 or FS7145 is a monolithic CMOS clock generator/regenerator IC designed to minimize cost and component count in a variety of electronic systems. Via the I2C-bus interface, the FS7140/45 can be adapted to many clock generation requirements. The length of the reference and feedback dividers, their fine granularity and the flexibility of the post divider make the FS7140/45 the most flexible stand-alone PLL clock generator available.

Features

• Extremely flexible and low-jitter phase locked loop (PLL) frequency synthesis
• No external loop filter components needed
• 150 MHz CMOS or 340 MHz PECL outputs
• Completely configurable via I2C-bus
• Up to four FS714x can be used on a single I2C-bus
• 3.3 V operation
• Independent on-chip crystal oscillator and external reference input
• Very low cumulative jitter

Applications

• Precision frequency synthesis
• Low-frequency clock multiplication

End Products

• Laser beam printers (FS7145)
• Video line-locked clock generation

For more information please contact your local sales support at www.onsemi.com.

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