

PRESS RELEASE

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XC25BS8 Series PLL Clock Generator ICs with Built-In Divider/Multiplier Circuits

TOREX SEMICONDUCTOR LTD. (Chuo-Ku, Tokyo : President, Tomoyuki Fujisaka) announces the release of the XC25BS8 series of PLL clock generator ICs with built-in divider/multiplier circuits.

The XC25BS8 series is a PLL clock generator IC which can generate high frequency output multiplied up to 4095 times by 8-kHz low frequency input. The series features the improved synchronous characteristics of our conventional products, XC25BS3 and XC25BS5. Selectable options include input divider ratio (M) of 1 to 2047 and output divider ratio (N) of 1 to 4095. The output frequency range is 1 MHz to 100 MHz, and an input frequency from 8 KHz to 36 MHz can be used as a reference clock. By internal tuning, the products can be operated with fewer additional parts. The IC stops operation when the low level signal is applied to the CE pin. This reduces the current consumption and produces high-impedance output. The series is available in SOT-26W and USP-6C packages. The settings of the input divider ratio (M), output divider ratio (N) and charge pump current (I_p) are factory fixed prior to shipping, so the series is semi-custom. Please advise your Torex sales representative of your particular input/output frequency and supply voltage specifications so that we can see if we will be able to support your requirements.

【XC25BS8 Series Features】

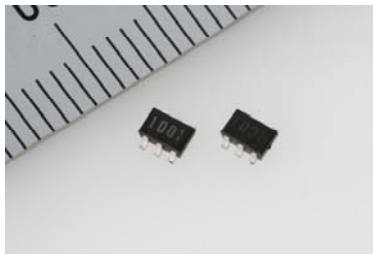
- Low frequency input from 8 kHz
- Customizable wide range of input divider ratio (M) of 1 to 2047 and output divider ratio (N) of 1 to 4095
- Smaller space required thanks to fewer additional parts
- Perfect for all-purpose clock generation for both imaging applications like LCD and sound applications like DAC

Input Frequency	: 8kHz~36MHz *1
Output Frequency	: 1MHz~100MHz (fQ0=fCLKin × N/M) *1
Output Divider (N)	: Selectable from divisions from 1 to 4095 *1
Input Divider (M)	: Selectable from divisions from 1 to 2047 *1
Oscillation Frequency	: 2.50V~5.50V *1
Operating Voltage Range	: 1.0A
Low Power Consumption	: CMOS with stand-by function *2 (10 μ A, MAX. when stand-by)
Packages	: SOT-26W, USP-6C

*1: The series are semi-custom products. Specifications for each product are limited within the above range.

Please note that setting of your requested specifications may be impossible due to the specification limits of this series.

*2: When the IC is in stand-by mode, the output becomes high impedance and the IC stops operation.



▲SOT-26W(2.8 x 2.9 x 1.3mm)

[Company Outline]

Name : TOREX SEMICONDUCTOR LTD.
 Found : 1995
 Capital : 984.78 million JPY
 President : Tomoyuki Fujisaka
 Employees : 224 (as of April 1, 2008)
 Operations : Manufacturing of ICs and active discrete components.
 Sales of ICs and active discrete components.

<http://www.torex.co.jp/english/>

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