

Spread Spectrum Clock Generator: $\pm 0.5\%$ Center Spread

This document describes the programmed values and functions of CY22800FCX-016A. Refer to the CY22800 data sheet for detailed product description and specifications.

Features

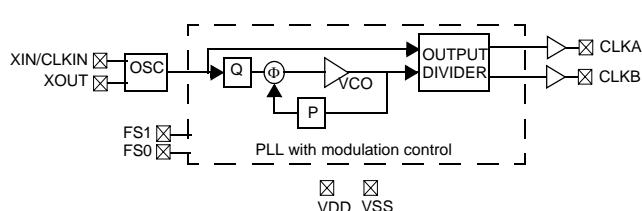
- Wide input and output frequency ranges
- Low cycle-to-cycle jitter

Table 1. Device Specifications

| Code Number | Input Frequency Range (MHz) | Output Frequency Range (MHz) | Number of Outputs | Special Function |
|-----------------|-----------------------------------|------------------------------|-------------------|---------------------------|
| CY22800FCX-016A | 25–100 (CLKIN) 25–30 (Crystal) | 25 MHz–100 MHz | 2 | $\pm 0.5\%$ Center Spread |

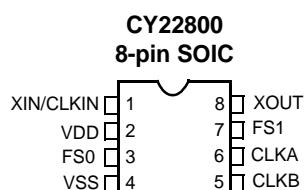
Architecture

Figure 1. Logic Block Diagram



Pinouts

Figure 2. Pin Configuration



Ordering Information

Table 4. Ordering Information

| Part Number ^[4] | Package Type | Product Flow |
|----------------------------|------------------------|-----------------------|
| CY22800FCX-016A | 8-pin SOIC - Lead Free | Commercial, 0 to 70°C |

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Notes

- Refer to the CY22800 generic data sheet for a complete list of AC/DC parameters.
- Measurements made on CLKA under nominal conditions (VDD = 3.3V, room temperature, 15 pF load cap.) with FS[1:0] = 10.
- Measurements made under nominal conditions (VDD = 3.3V, room temperature, no load) with FS[1:0] = 11.
- When ordering from a distributor, use CY22800FCX with the specific code number (016A).

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Revision **

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