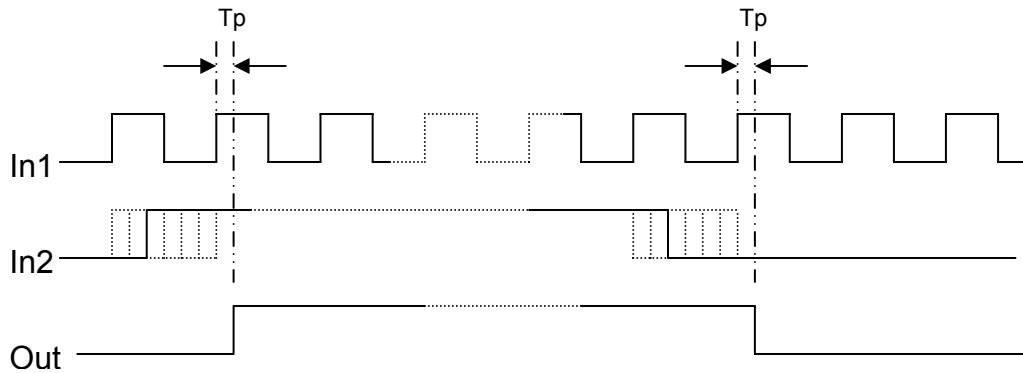


For immediate release: 20-Oct-2009

Frequency Synchronizers

Achieve jitter-free synchronization of two independent signals with our frequency synchronizer and jitter-reduction products.

Samples will be available 1Q10, and full production is anticipated by 2Q10.



Specifications (preliminary)

- Input 1 (Synchronizing signal)
 - Frequency (f_1): 250MHz maximum
 - Duty cycle: 40% to 60%
- Input 2 (Synchronized signal)
 - Frequency (f_2): 62MHz max.
 - Pulse width high: $1/f_1 + 4\text{ns}$ minimum
 - Pulse width low: $1/f_1 + 4\text{ns}$ minimum
- Maximum synchronization time: $1/f_1$
- Output 2 (Synchronized signal)
 - Frequency: f_2
 - Pulse width: $PW_{2in} \pm 1/f_1$
 - Propagation delay: 6ns typical

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