DIODES
INCORPORATED
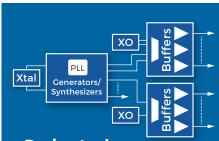
Total Timing Solutions

Design tools

Crystal/Oscillator Search Tool, Sales Support & Sample Request

- Customizable crystal and XO characteristics
- IBIS and 3D STEP models
- Fast sample support
- Evaluation boards upon request
- Schematics and layout review
- Crystal matching service
- PCB debug support

Commercial value

- Cost-effective solutions
- Short lead times; expedited delivery upon request

Applications

- Industrial / Robotics
- Networking / Telecom
- Medical devices
- Consumer products
- Building / Energy

Frequency Control Products & Clocks

Crystals + Oscillators + ICs from a single vendor
Optimized performance, cost, and ease of design

Clock Buffer IC

- Additive jitter as low as 10fs
- Up to 16 outputs
- CMOS, LVPECL, LVDS, HCSL, CML outputs

General and HiFlex® Clock Generators

- Jitter as low as 80fs RMS
- Up to 17 outputs
- CMOS, LVPECL, LVDS, HCSL, CML outputs

PCIe Clock Gen and Clock Buffer IC

- PCIe 6.0/ 5.0/ 4.0 support
- Generators: 2 to 19 outputs
- Buffers: 2 to 20 outputs

Crystals and Crystal Oscillators

- Standard and custom frequencies
- CMOS, LVPECL, LVDS, LP-HCSL, HCSL, CML outputs
- Packages as small as 1.6 x 1.2 mm

Real-Time Clock IC

- Portfolio of Real-Time Clock IC
- Full-featured, single/dual supply, I²C Interface
- Module with integrated 32.768kHz crystal option

FOR MORE INFORMATION VISIT: diodes.com/products/connectivity-and-timing