Digital Delay and Pulse Generators

HIGHLAND TECHNOLOGY

P400 Benchtop Digital Delay and Pulse Generator

- 4-channels of 1-picosecond programmable delays and widths
- Up to 1000 seconds delay
- 25 nanosecond insertion delay
- Less than 10 picoseconds RMS jitter typical
- 10 MHz rep rate
- Programmable trigger threshold and output levels
- Five trigger sources with external gating
- RS 232 and optional external Ethernet connectivity
- Onboard help

T564 Compact Digital Delay and Pulse Train Generator

- Four individually programmable TTL-level delay and width outputs
- Pulse width range up to 10 seconds with 10 picosecond resolution
- Low 20 nanosecond insertion delay
- Scenario generation for changing delay programs automatically
- Unlimited number of pulses from a single trigger
- Queue command programs new timings without disturbing ongoing triggers
- DSP phaselock system maintains crystal-clock accuracy and jitter for any delay
- Programmable-level trigger input with divide/burst features and trigger GATE input
- RS-232 serial interface standard; Ethernet and SPI optional

T240 Single-channel Externally Triggered Pulse Generator

- Generates fast complementary pulse outputs
- Programmable delay and pulse width in two ranges
- Programmable amplitude from 0 to 750 millivolts nominal
- Risetime / falltime 60 picoseconds typical
- Pulse width down to 100 picoseconds FWHM
- Programmable trigger threshold

Custom/OEM Embedded Delay and Pulse Generators

- Custom OEM digital delay and pulse generators and complex controllers
- Compact embedded, bare board, VME or PCI modules, benchtop or rack-mount instruments
- USB, Ethernet, or customized connectivity

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