



For Immediate Release, 11/01/10  
NEW BLUE LIGHT PULSE GENERATOR AT 405 NM

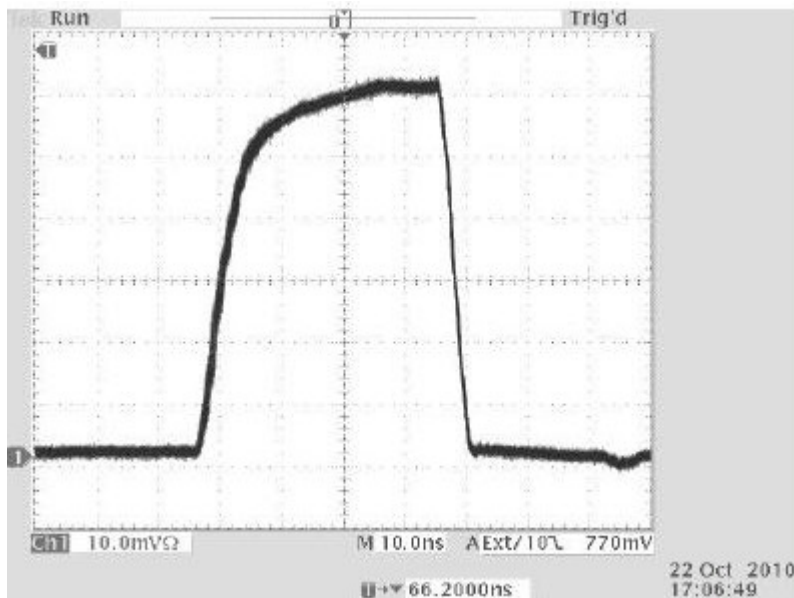


**Berkeley Nucleonics is introducing the new Model 040 Light Pulse Generator. The new module leverages state of the art laser chip production and efficient packaging techniques to deliver 10mW of calibrated light pulses at 405nm. The light is delivered via a single-mode optical fiber coupled to an FC connector. Custom fibers and connectors include Polarization Maintaining and Multi-Mode fibers, and ST or SMA front panel connectors. Rates up to 10MHz with pulse delay and width resolution of 1nS are provided. An impulse mode delivers a sub-nanosecond, fixed with pulse in single or double pulse modes.**

**As a group, the light pulse generators offer unmatched flexibility in optical signal control for benchtop testing, R&D, simulations and optical component design. The optical signals are programmable and are married to a TTL and ECL output for addition setup controls. Power levels are adjustable in 10 microwatt steps. The system includes interlock safety and keyswitch controls. The safety features of the new product meet IATA and FDA Class 1, Class II and Class IIIB safety requirements. The instrument is manufactured in compliance with CFR Title 21, Chapter 1, Sub-Chapter J and with reporting policies compliant with CFR Title 21, Part 1002/1003.**

**“The breakthrough is diode technology enables Berkeley Nucleonics to source efficient, low power blue chip lasers for fast pulsing applications. Testing of PMT**

tubes, optical circuits and switches, photodiode production or sensor calibration are some of the immediate applications”, comments John Yee, Applications Manager.



Model 6040/040 - 405 nm, 20 nS, 10 mW shown above

#### About the Company

Berkeley Nucleonics Corporation (BNC), founded in 1963, manufactures a full line of Test, Measurement and Nuclear instrumentation for academic and industrial research. Our products include signal / pulse generators and digital delay generators (DDG), multimeters and frequency counters, radiation detectors (RIID) and life sciences instrumentation. Flagship instruments include a 250pS 8-Channel Digital Delay Generator, a NIM Precision Pulse Generator and ANSI compliant handheld isotope identifiers (RIID) and radiation pagers (PRD). We offer users around-the-clock support on our products and can customize a suite of instruments to meet the most demanding applications. The company is headquartered in Northern California, with service and training centers worldwide.