



User Note - Digital Delay Generator with 10X better Resolution



Resolution formerly 100nS is improved to 10nS at no additional cost

Order of Magnitude Improvement in Entry-Level 8 Channel Pulse / Digital Delay Generator

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Berkeley Nucleonics Corporation (San Rafael, CA) has made an upgrade in the timing circuitry on the cost-saving Model 505 Pulse / Digital Delay Generator. This Model 505 is now shipping standard from the factory with 10nS delay and width resolution. This model represents an excellent value for users who need multiple channels of timing to gate, delay, synchronize or pulse various components to a research experiment. The 10nS edge resolution is available on all 16 edges (8 Channel Model).

“Delay and Width control on all 8 channels with 10nS resolution gives users the ability to address a handful of devices using a single Pulse / Delay Generator”, comments Steve Cale, Senior Account Manager. “This is an excellent value for researchers working in the nanosecond and microsecond time domain when faced with declining budgets. I expect an increase in demand from federal R&D programs and university users.”

Berkeley states that they are improving the resolution of its Model 505 Pulse / Digital Delay Generator by an order of magnitude while keeping the same low price. The Model 505 gives users up to eight fully-defined pulse channels with 10nS resolutions for both delay and width. Gate widths are also achievable as narrow as 10nS. The product ships from stock, includes RS-232 and GPIB, and is priced at \$1,990 for 2 Channels of Delay + Width, \$2,496 for 4 Channels of Delay + Width, and \$4,098 for 8 Channels of Delay + Width. Ordering or obtaining demonstration units is offered on the product webpage at:

http://www.digitaldelaygenerators.com/products/model_505.html

About Berkeley Nucleonics:

Founded in 1963, Berkeley Nucleonics Corporation (BNC) has a rich history of providing precision electronic instrumentation for test, measurement and nuclear research. Our products range from pulse generators and digital delay generators to specialized handheld instruments and portal monitors capable of radiation detection and isotope identification. BNC offers the widest range of pulse / digital delay generators on the market, offering NIM Modules, Low Jitter Benchtop Designs, Light Pulse Generators, High Voltage Pulse Generators, Arbitrary Waveform Generators, 150 pS Risetime Pulse Generators, Tail Pulse Generators and OEM Card Level custom designs. The company is headquartered in San Rafael, California and has manufacturing facilities and manufacturer’s representatives worldwide.

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