



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-W1-C-P-PN-AT
Type: Ultra-High-Speed Pulse Generator
S.N.: 12223
Date: May 21, 2009

Output Amplitude: 0 to 5V*, to 50Ω
Pulse Width (FWHM): 0.2 - 2.5 ns
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 200 ps
PRF: 20 - 100 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

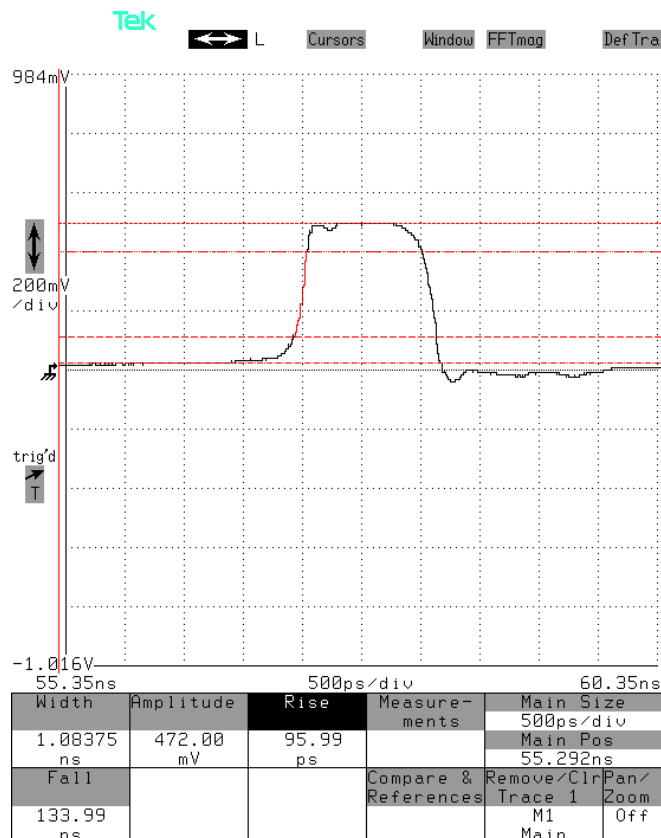
Basic specifications: →

Note: The maximum output amplitude under some conditions has been reduced slightly, to ensure compliance with export regulations governing the shipment of dual-use nuclear goods.

Test Waveforms

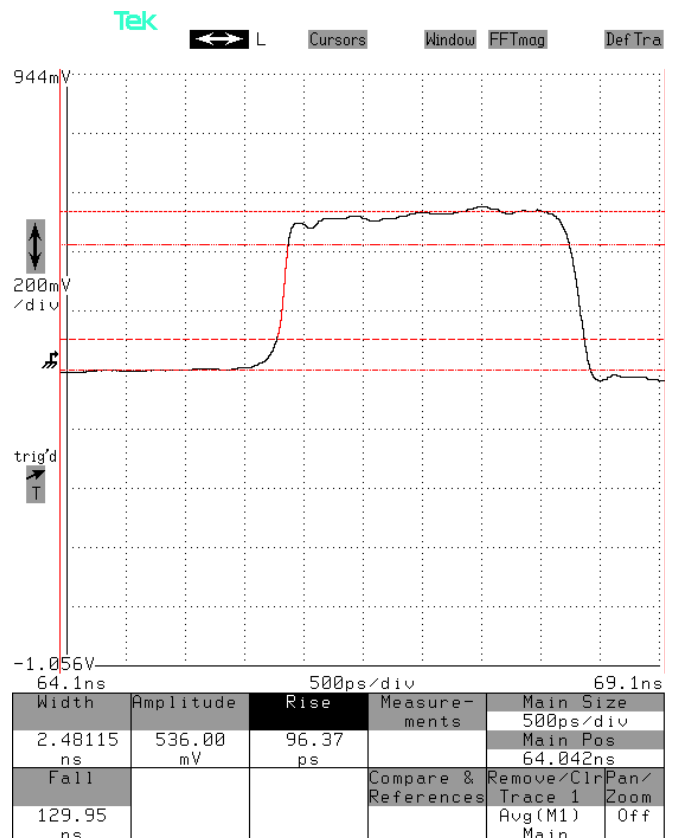
Full pulse at 20 MHz, 1 ns PW, ~ +5V,

500 ps/div. 2 V/div (200 mV × 20 dB):



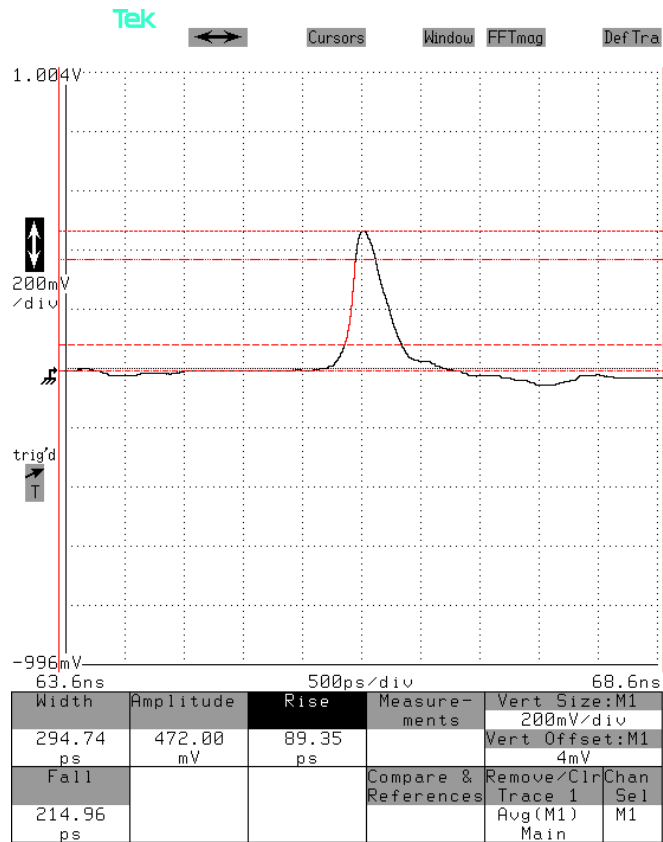
Full pulse at 50 MHz, 2.5 ns PW, > +5V,

500 ps/div. 2 V/div (200 mV × 20 dB):



Full pulse at 100 MHz, 300 ps PW, > +5V,

500 ps/div. 2 V/div (200 mV × 20 dB):



Full pulse at 100 MHz, 1.9 ns PW, > +5V,

500 ps/div. 2 V/div (200 mV × 20 dB):

