



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AVN-W1-C-P-PN-AT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12224  
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.

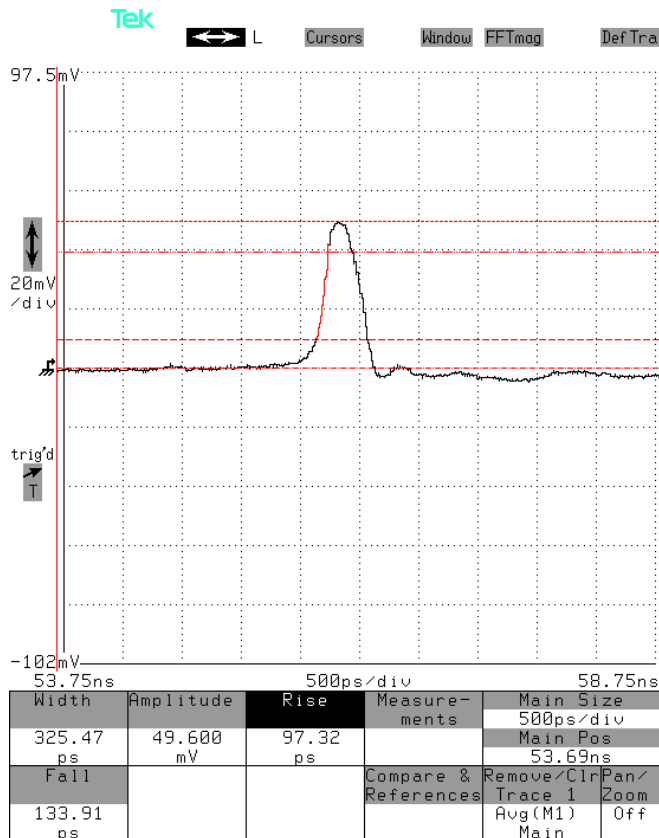
Basic specifications: →

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

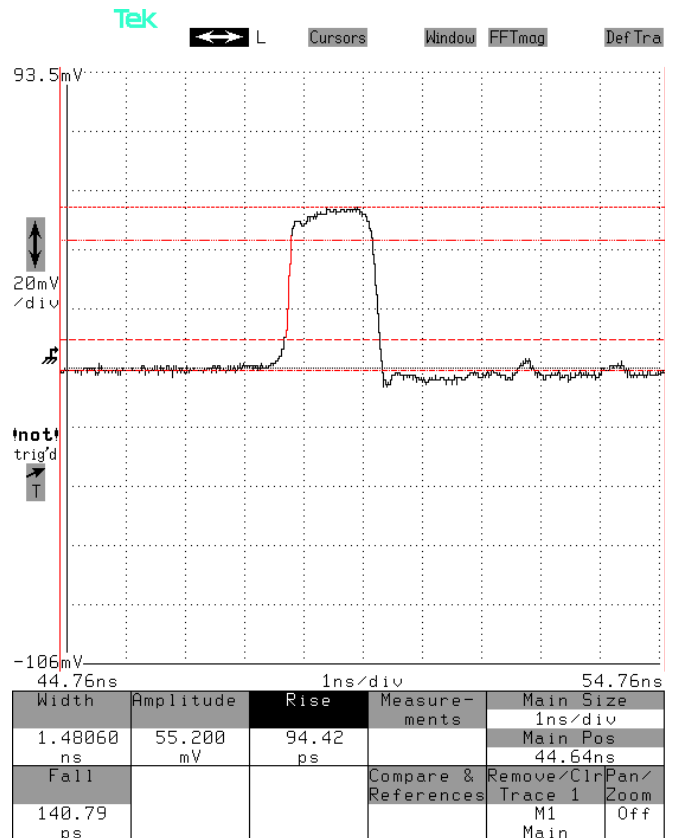
Full pulse at 20 MHz, 325 ps PW, +5V,

500 ps/div. 2 V/div (20 mV × 40 dB):



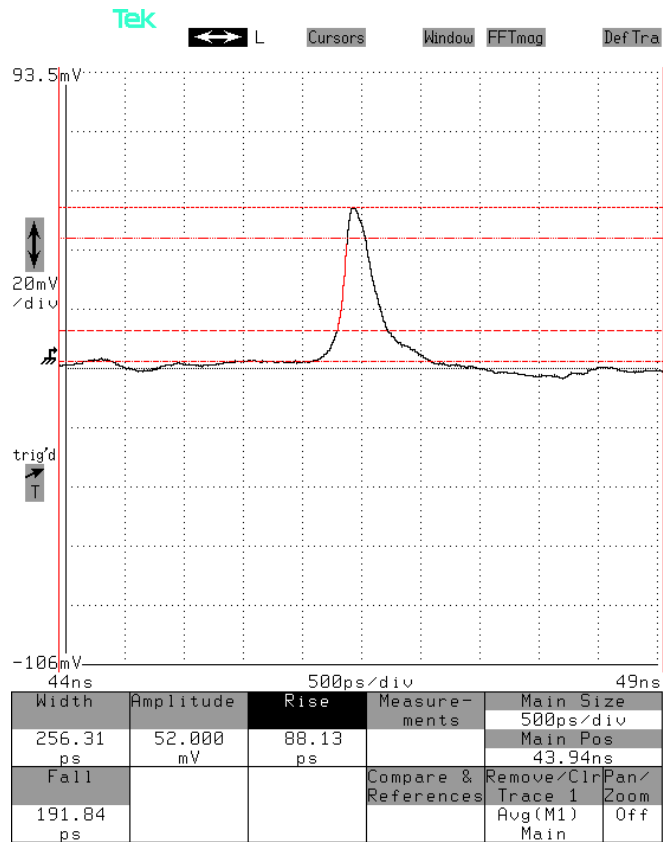
Full pulse at 50 MHz, 1.5 ns PW, > +5V,

1 ns/div. 2 V/div (20 mV × 40 dB):



Full pulse at 100 MHz, 250 ps PW, > +5V,

500 ps/div. 2 V/div (20 mV × 40 dB):



Full pulse at 100 MHz, 1.2 ns PW, > +5V,

500 ps/div. 2 V/div (20 mV × 40 dB):

