



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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☒ BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

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## PERFORMANCE CHECKSHEET

Model: AVNN-1-C-OT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13478  
Date: July 28, 2014

Output Amplitude: up to 5V, to 50Ω  
Pulse Width (FWHM): 1 – 30 ns, 30-70% duty  
Rise Time (20%-80%): ≤ 100 ps  
Fall Time (80%-20%): ≤ 100 ps  
PRF: 25 – 200 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

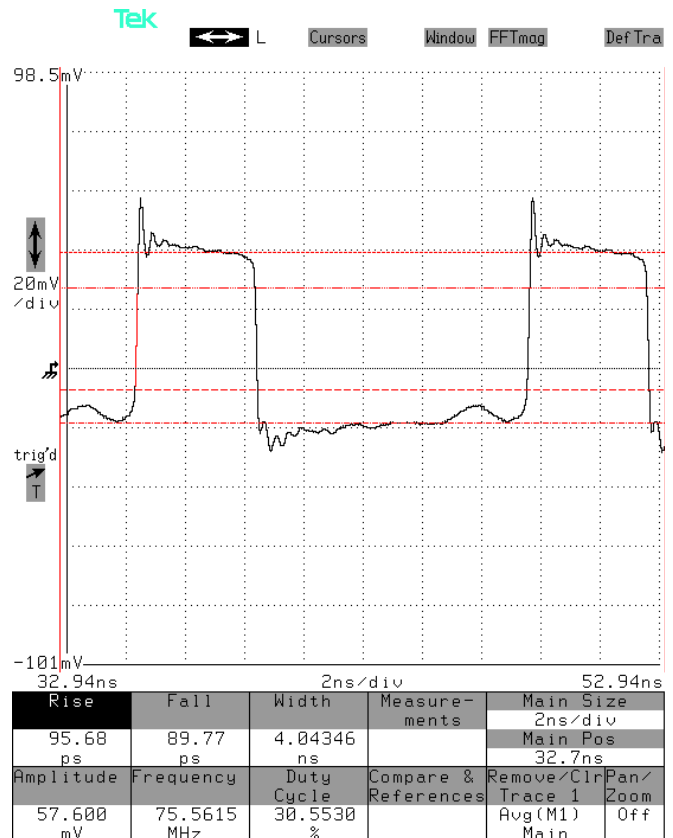
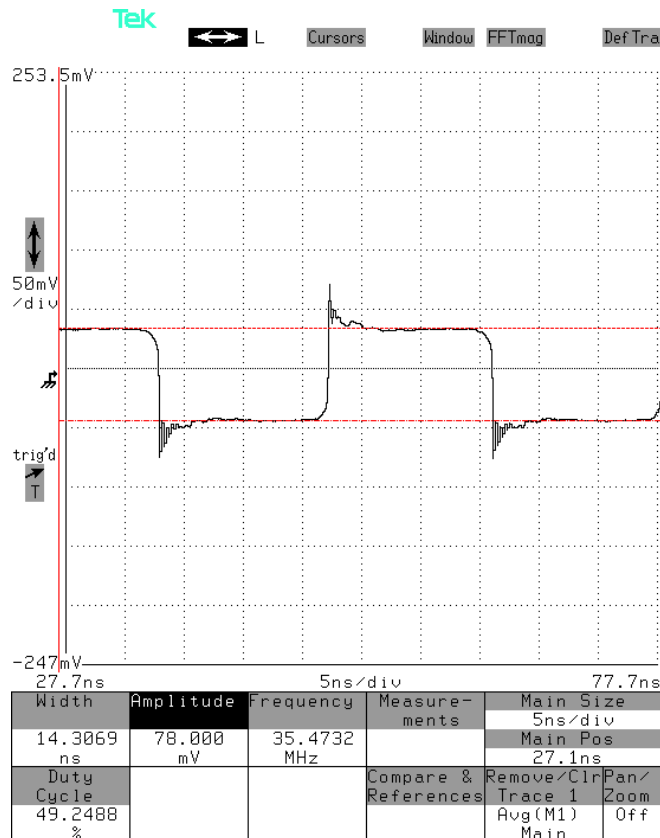
### Test Waveforms

35 MHz, > 5 V<sub>P-P</sub>

~ 75 MHz, > 5 V<sub>P-P</sub>

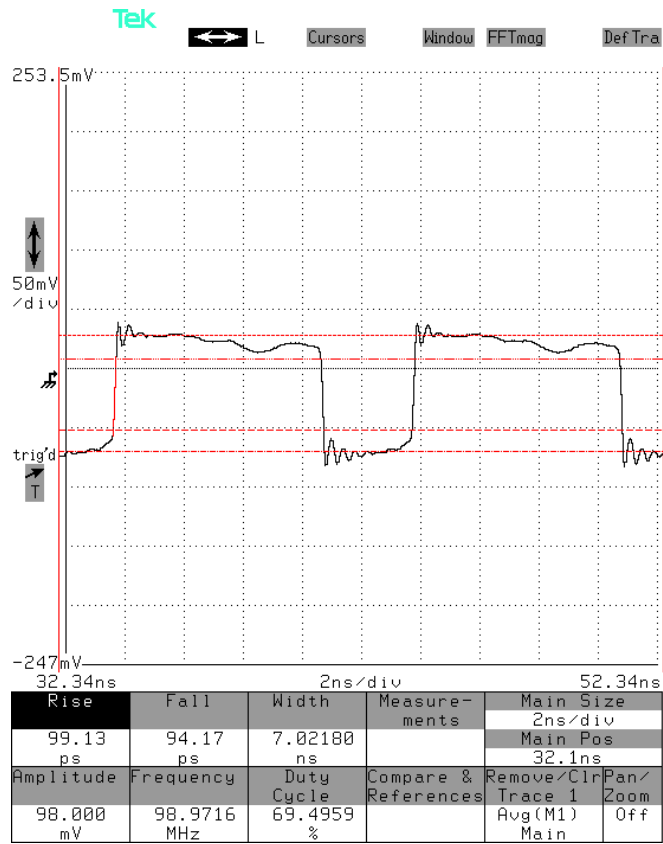
5 ns/div. 5 V/div (50 mV/div × 40 dB):

2 ns/div. 2 V/div (20 mV/div × 40 dB):



~ 100 MHz, > 5 V<sub>P-P</sub>

2 ns/div. 5 V/div (50 mV/div × 40 dB):



> 200 MHz, > 5 V<sub>P-P</sub>

1 ns/div. 5 V/div (50 mV/div × 40 dB):

