



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVM-2-C-P-PN-HV-M-EA-EW-AT-PWT-AC02  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13840  
Date: February 25, 2019

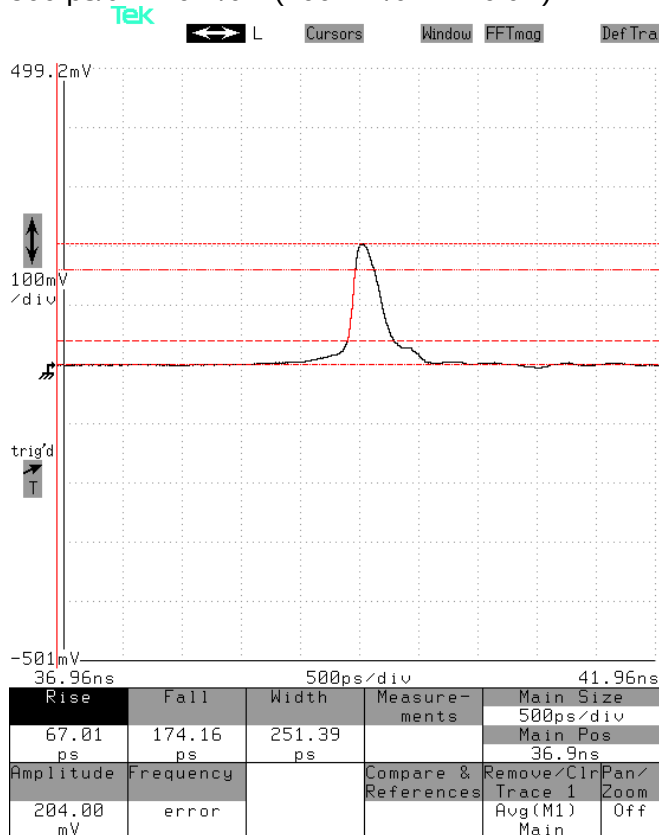
Output Amplitude: up to +15V / +20V  
Pulse Width (FWHM): 0.25 to 2 ns  
Rise Time (20%-80%): < 100 ps  
Fall Time (80%-20%): < 250 ps  
PRF: up to 25 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC

Basic specifications: →

### Test Waveforms

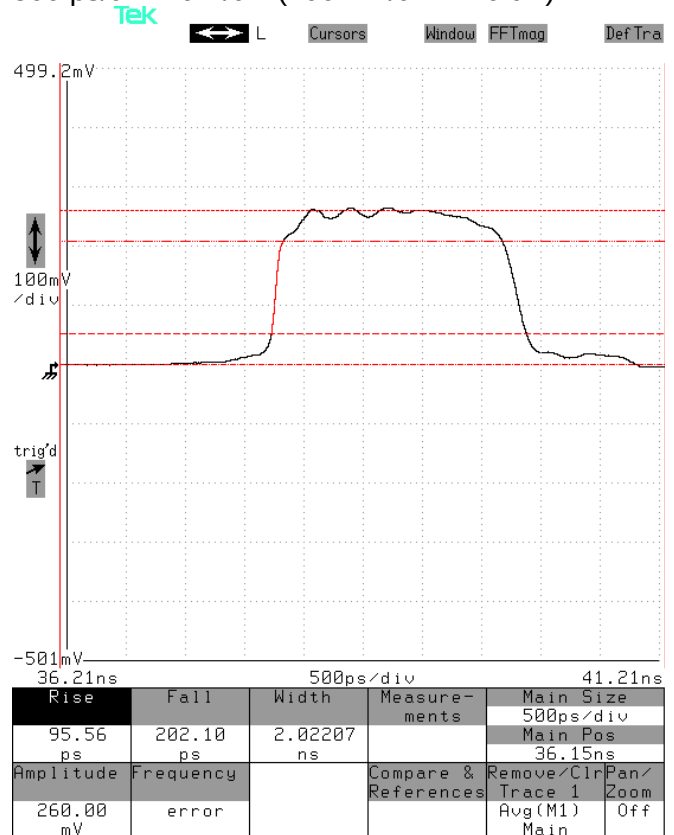
At 10 MHz, > 20V amplitude, ~ 250 ps PW,

500 ps/div. 10 V/div (100 mV/div × 40 dB):



At 1 MHz, > 20V amplitude, > 2 ns PW,

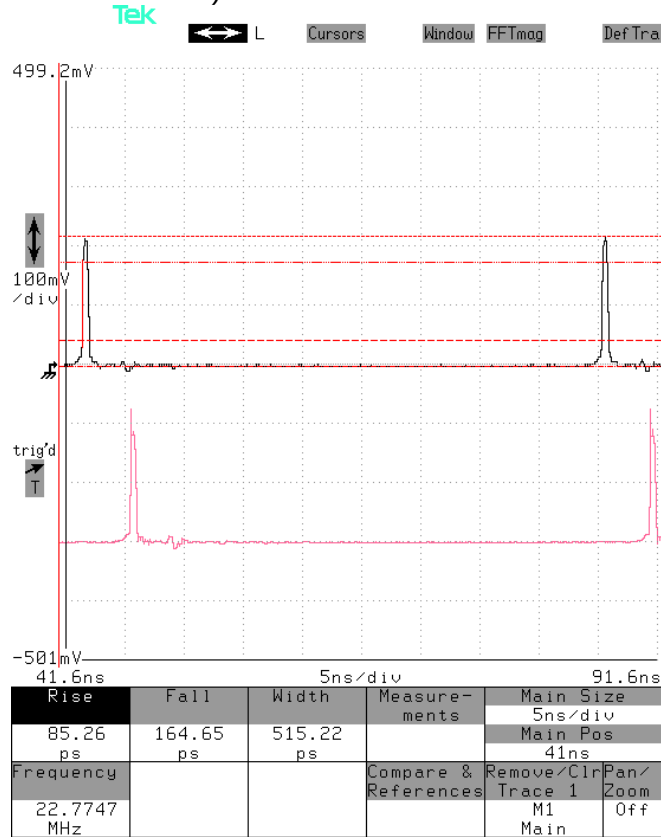
500 ps/div. 10 V/div (100 mV/div × 40 dB):



At 22.8 MHz, > 20V amplitude, ~ 500 ps PW,  
5 ns/div.

Top: main output into 50Ω, 10 V/div (100 mV/div  
× 40 dB):

Bottom: monitor output into 50Ω, 1 V/div (100  
mV/div × 20 dB):



As previous, but with inverting transformer installed:

Transformer output into 50Ω, 10 V/div (100  
mV/div × 40 dB):

