



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AVM-4-C-AC03-AK8-ECL-PWT-AT-D-P  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12515  
Date: October 12, 2010

Output Amplitude: 0 to  $\pm 15V$   
Pulse Width (FWHM): 0.5 to 4 ns  
Rise Time (20%-80%): < 150 ps  
Fall Time (80%-20%): < 300 ps  
PRF: up to 10 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

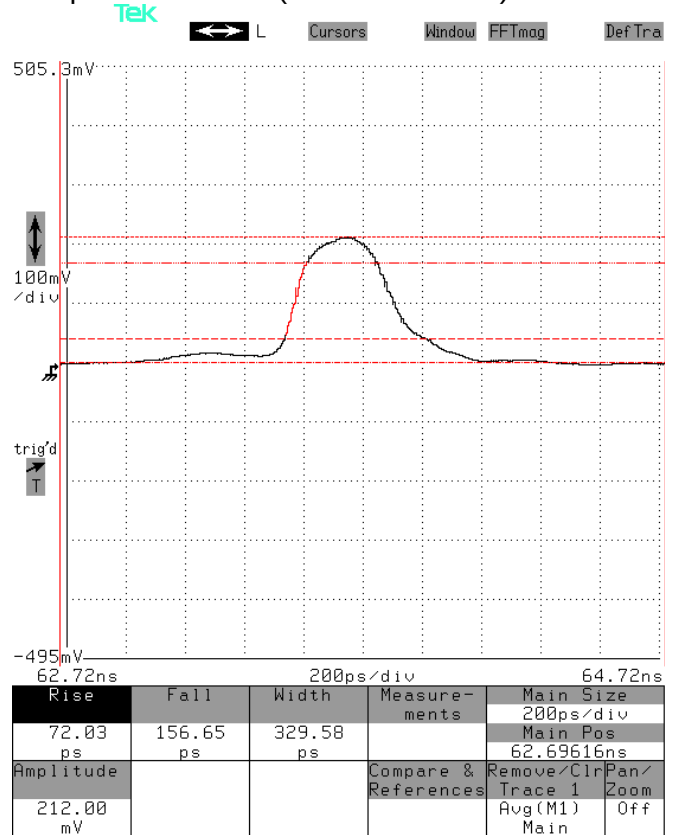
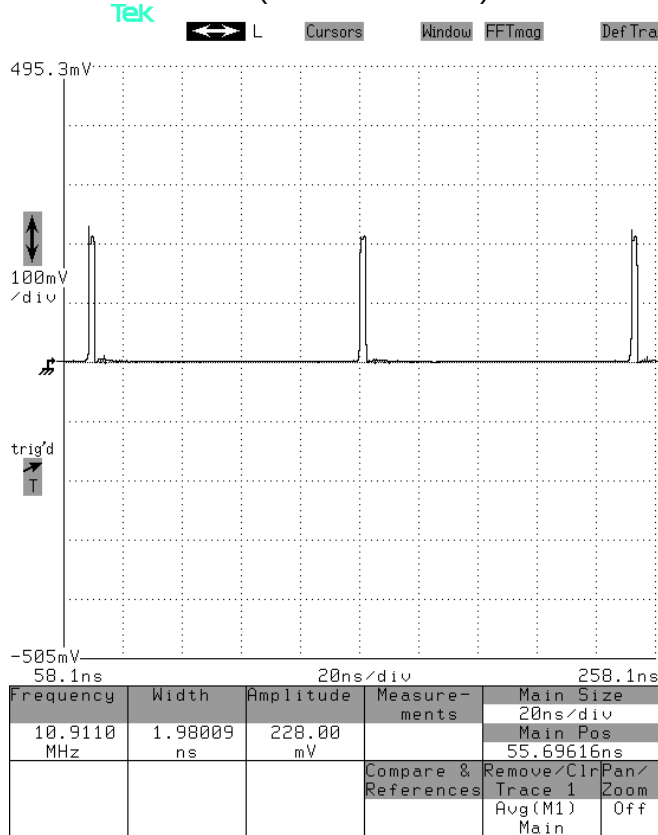
### Test Waveforms

At > 10 MHz, > 20V amplitude, 2 ns pulse width.

At 3 MHz, > 20V amplitude, < 0.5 ns pulse width

20 ns/div. 10 V/div (100 mV  $\times$  40 dB):

200 ps/div. 10 V/div (100 mV  $\times$  40 dB):



At 3 MHz, > 20V amplitude, > 4 ns pulse width

1 ns/div. 10 V/div (100 mV × 40 dB):

