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BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AVM-2-P-HKA-AK1  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12219  
Date: March 19, 2009

Output Amplitude: 0 to +15V  
Pulse Width (FWHM): 0.25 to 2 ns  
Rise Time (20%-80%): < 100 ps, into 50Ω  
Fall Time (80%-20%): < 250 ps, into 50Ω  
PRF: 25 MHz maximum  
Jitter, Stability: OK  
Prime Power: +24V DC

Basic specifications: →

Test Waveforms

At 12 MHz, > 15V amplitude, < minimum PW.

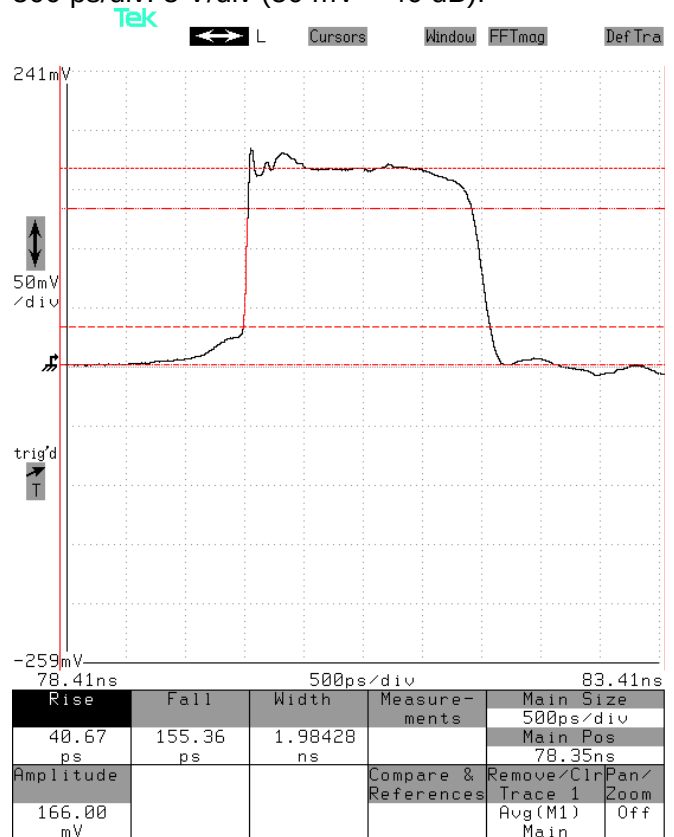
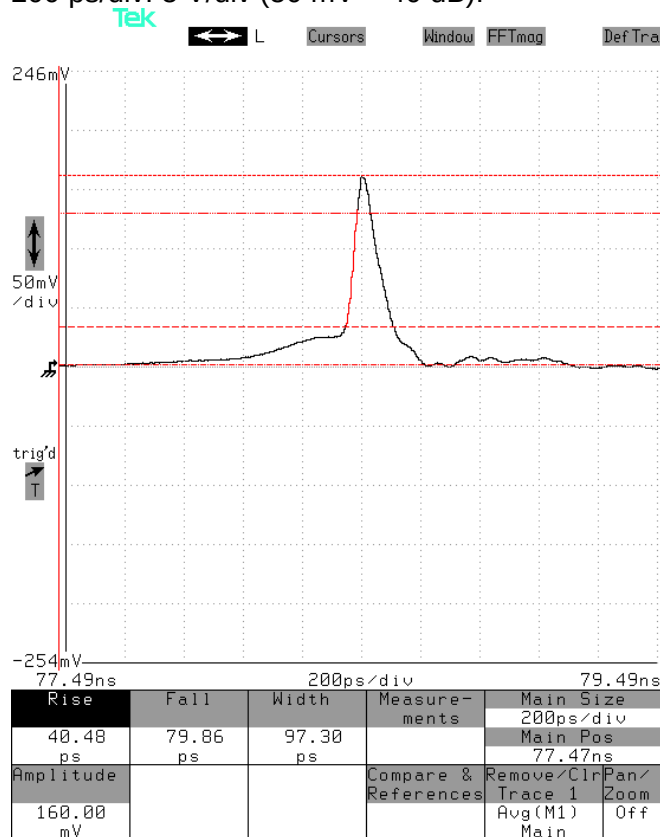
At 12 MHz, > 15V amplitude, 2 ns pulse width.

Into a 50 Ohm load, with no shunt capacitance.

Into a 50 Ohm load, with no shunt capacitance.

200 ps/div. 5 V/div (50 mV × 40 dB):

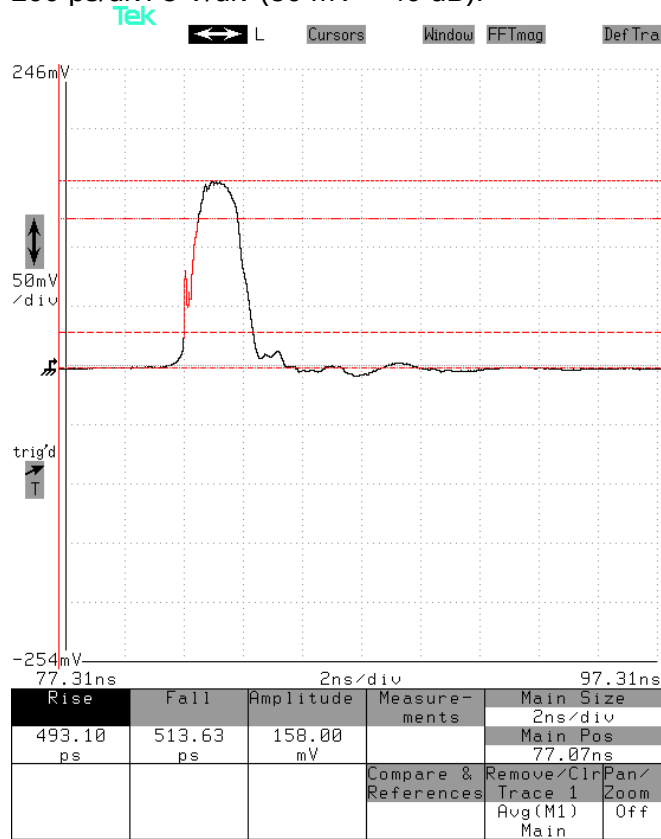
500 ps/div. 5 V/div (50 mV × 40 dB):



At 12 MHz, > 15V amplitude, 2 ns PW.

A 10 pF capacitance is installed on the output of the module, and 8 inches / 20 cm of coaxial cable is used to connect to the oscilloscope.

200 ps/div. 5 V/div (50 mV × 40 dB):



The capacitance degrades the rise and fall times significantly. However, the 10 pF capacitance will not damage the output.