



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVM-2-P-M  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12623  
Date: March 31, 2011

Output Amplitude: 0 to +15V  
Pulse Width (FWHM): 0.25 to 2 ns  
Rise Time (20%-80%): < 100 ps  
Fall Time (80%-20%): < 250 ps  
PRF: 3 kHz - 25 MHz  
Jitter, Stability: OK  
Prime Power: +24V, 500 mA DC

Basic specifications: →

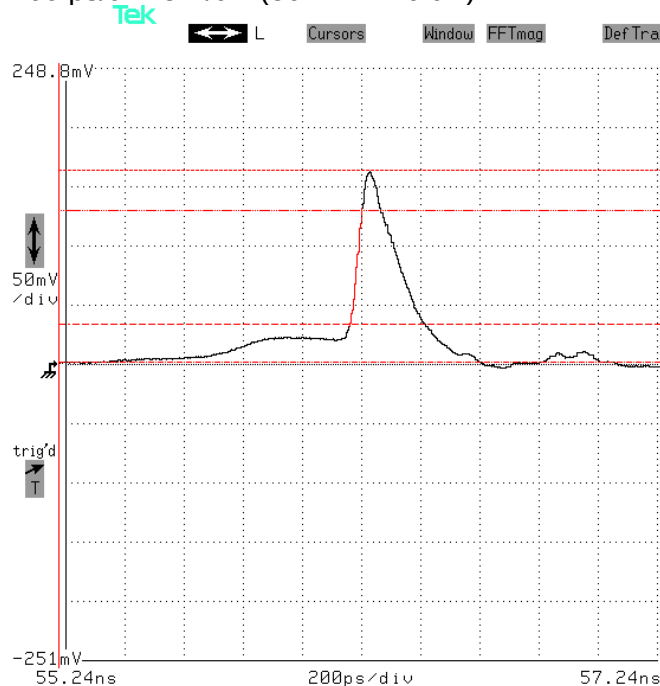
### Test Waveforms

At 12 MHz, > 15V amplitude, < minimum pulse width.

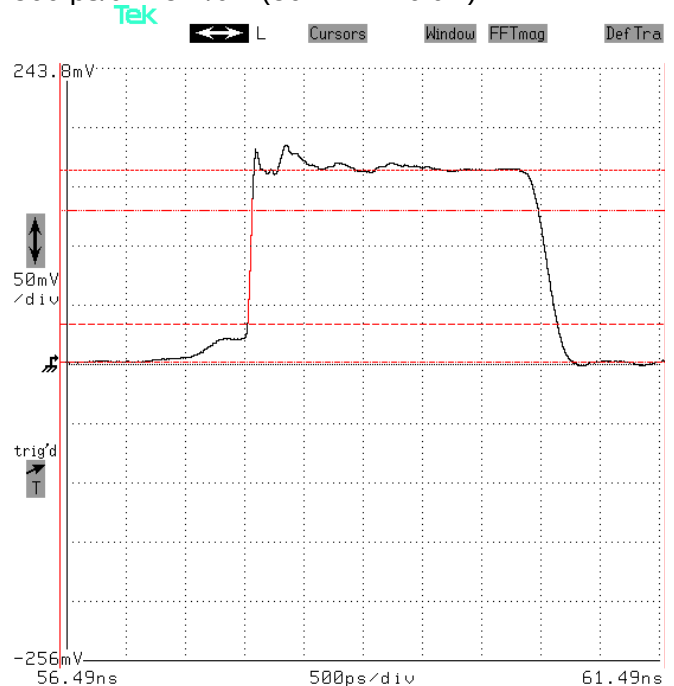
At 12 MHz, > 15V amplitude, > maximum pulse width.

200 ps/div. 5 V/div (50 mV × 40 dB):

500 ps/div. 5 V/div (50 mV × 40 dB):



Width	Rise	Fall	Measure-ments	Main Size
147.94 ps	41.08 ps	151.53 ps		200ps/div
				Main Pos
				55.21896ns
Amplitude			Compare & References	Remove/ClrPan/Trace 1 Zoom
162.00 mV				Avg(M1) Off



Width	Rise	Fall	Measure-ments	Main Size
2.50687 ns	38.33 ps	164.70 ps		500ps/div
				Main Pos
				56.42896ns
Amplitude			Compare & References	Remove/ClrPan/Trace 1 Zoom
162.00 mV				Avg(M1) Off