



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVM-2-C-P  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12625  
Date: April 25, 2011

Output Amplitude: up 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: 100-240V AC, 50-60 Hz.

Basic specifications: →

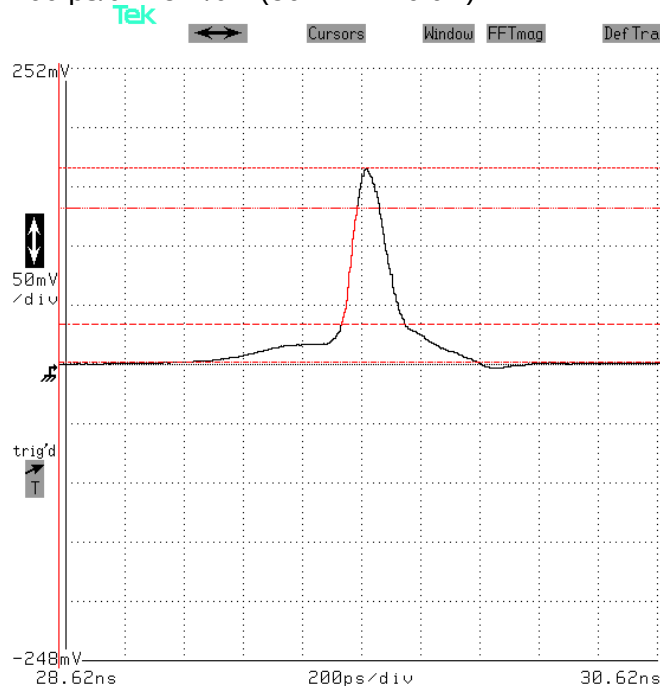
### Test Waveforms

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

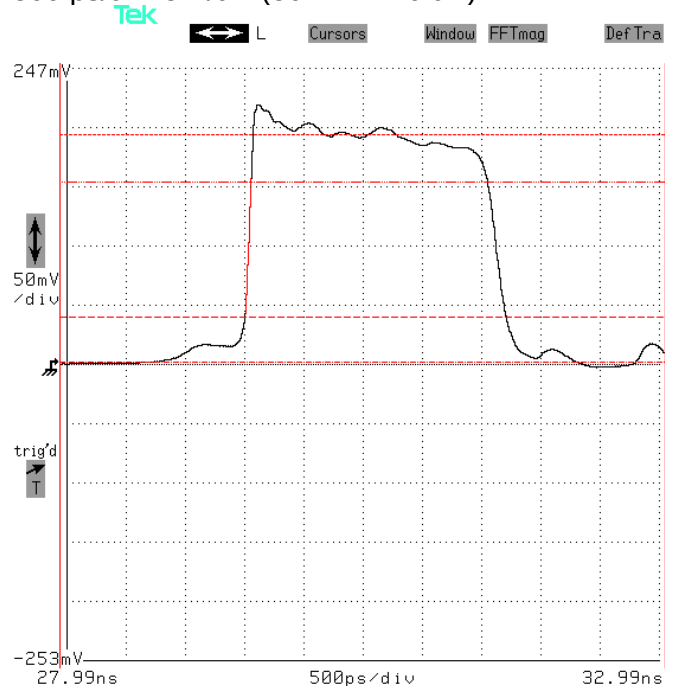
At 12 MHz, > 15V amplitude, > maximum pulse width.

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        | Vert Size:M1               |
|-----------|----------|----------|----------------------|----------------------------|
| 129.83 ps | 52.55 ps | 87.26 ps |                      | 50mV/div                   |
| Amplitude |          |          | Compare & References | Remove/ClrChan Trace 1 Sel |
| 164.00 mV |          |          |                      | Avg(M1) M1                 |



| Width      | Rise     | Fall      | Measure-ments        | Main Size                   |
|------------|----------|-----------|----------------------|-----------------------------|
| 2.09016 ns | 53.14 ps | 159.13 ps |                      | 500ps/div                   |
| Amplitude  |          |           | Compare & References | Remove/ClrChan Trace 1 Zoom |
| 192.00 mV  |          |           |                      | Avg(M1) Off                 |