



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVM-1-C-P  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13553  
Date: April 3, 2017

Output Amplitude: up to +5V, to 50Ω  
Pulse Width (FWHM): 0.25 – 6 ns  
Rise Time (20%-80%): ≤ 100 ps  
Fall Time (80%-20%): ≤ 250 ps  
PRF: to 25 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V, 50-60 Hz.

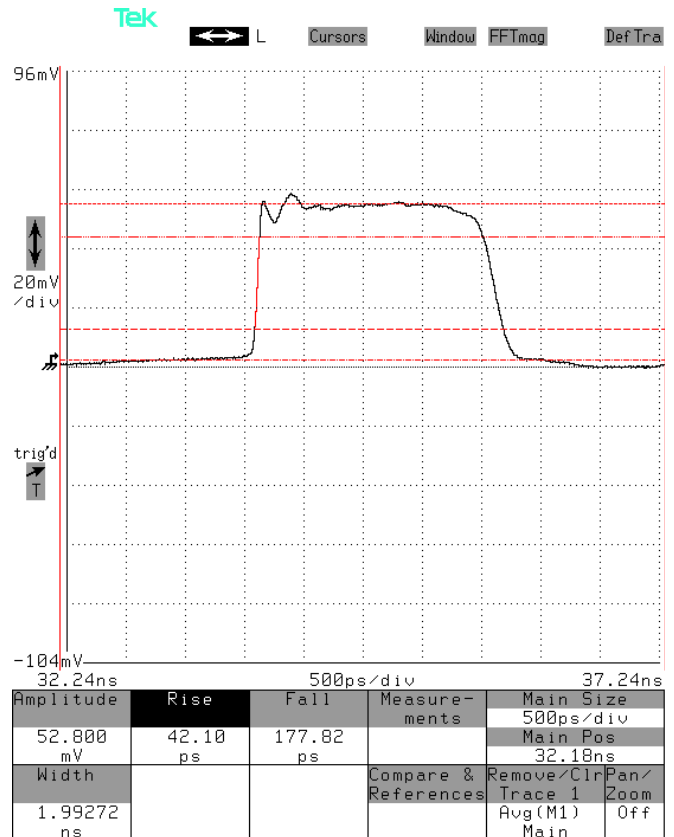
Basic specifications: →

### Test Waveforms

#### Maximum PRF Tests

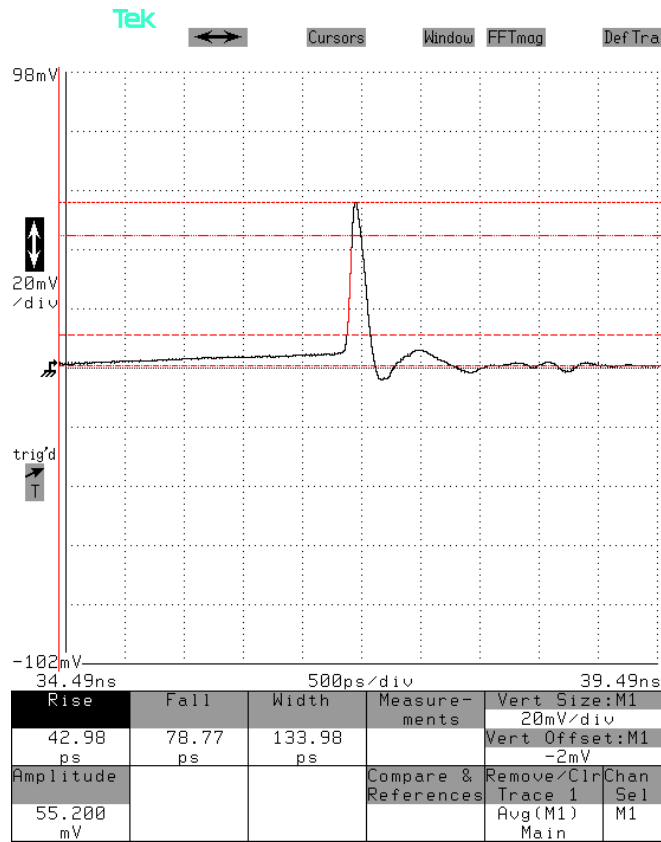
25 MHz, > +5V, 2 ns PW.  
5 ns/div. 2 V/div (20 mV/div × 40 dB).

Same, scaled to show rise/fall times.  
500 ps/div. 2 V/div (20 mV/div × 40 dB).



### Minimum PW Test

10 MHz, > +5V, < 250 ps PW.  
 500 ps/div. 2 V/div (20 mV/div × 40 dB).



### Maximum PW Test

10 MHz, > +5V, > 6 ns PW.  
 1 ns/div. 2 V/div (20 mV/div × 40 dB).

