



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVH-S-1-P
Type: Ultra-High-Speed Impulse Generator
S.N.: 12391
Date: January 28, 2010

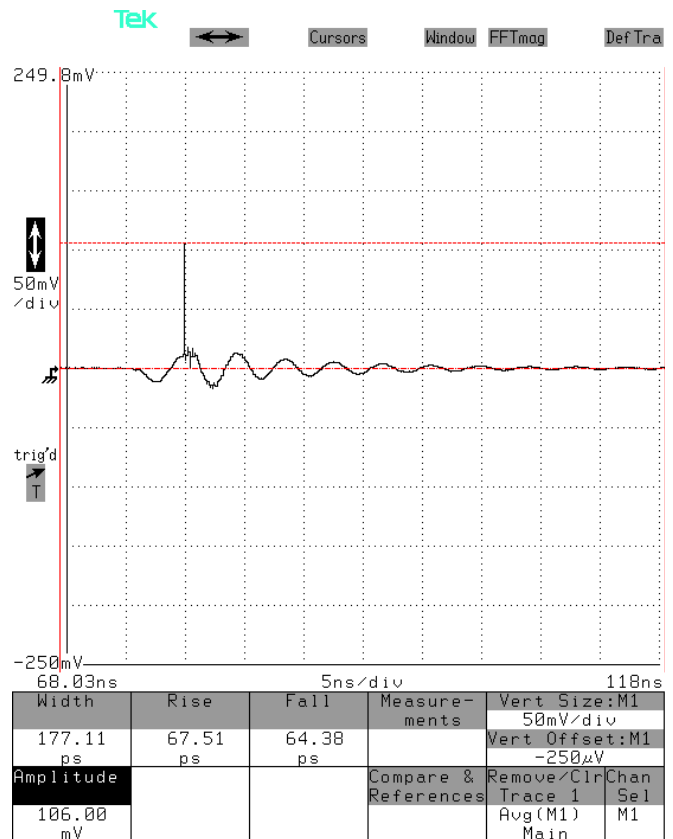
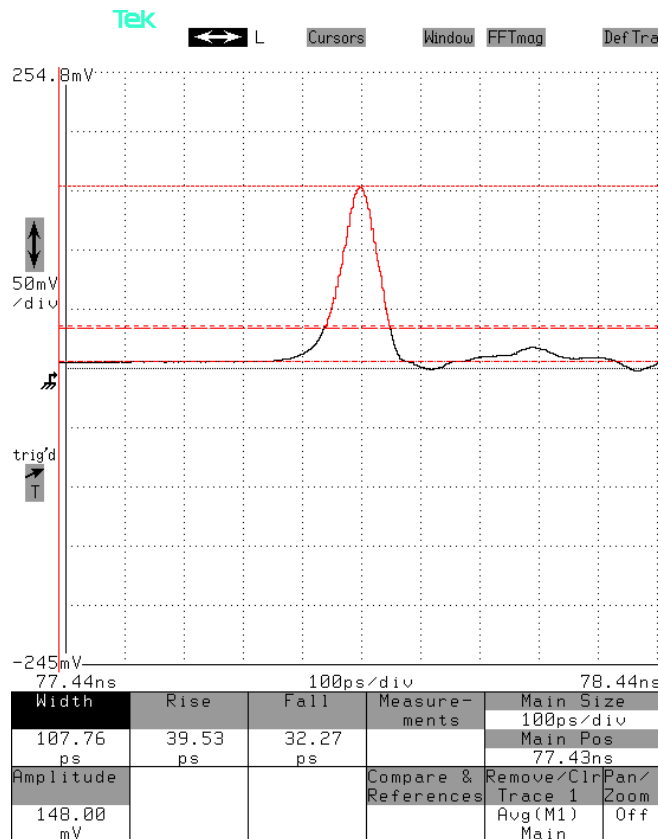
Output Amplitude: 0 to +10V, to 50Ω
Pulse Width (FWHM): ≤ 130 ps (at 20%)
Rise Time (20%-80%): N/A
Fall Time (80%-20%): N/A
PRF: to 1 MHz
Jitter, Stability: OK
Prime Power: +15V DC

Basic specifications: →

Test Waveforms

1 MHz, > +10V,
100 ps/div. 5 V/div (50 mV × 40 dB).

Same signal, but at 5 ns /div:



(The reported amplitude is artificially low, since the time resolution at 5 ns/div does not reproduce the ~100 ps wide impulse properly.)