AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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

PERFORMANCE CHECKSHEET

Model: AVPP-1-B-PN
Type: Ultra-High-Speed Pulse Generator
S.N.: 12610
Date: March 28, 2011

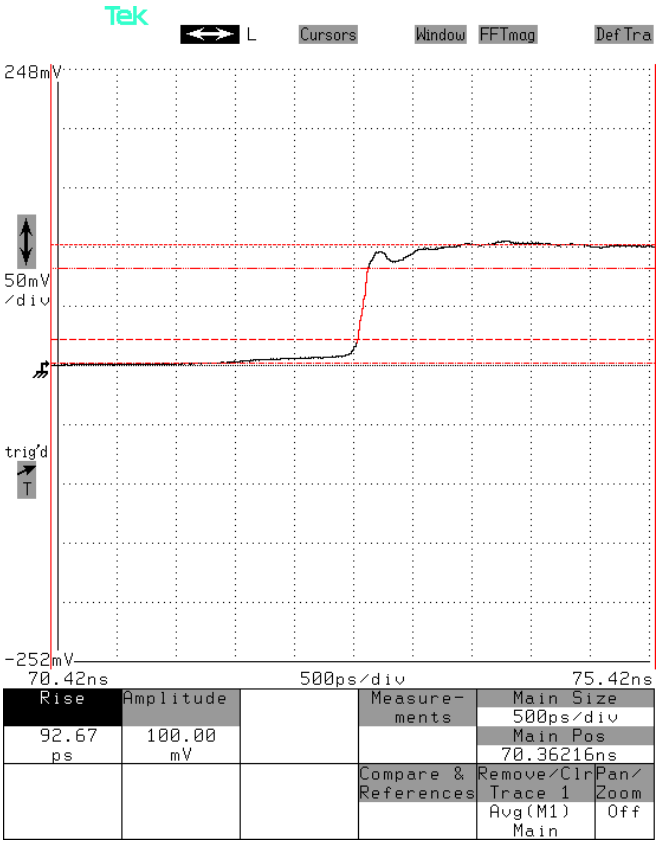
Basic specifications: →

Output Amplitude:	0 to ±10V, to 50Ω
Pulse Width (FWHM):	0.4 – 100 ns
Rise Time (20%-80%):	≤ 100 ps or 150 ps
Fall Time (80%-20%):	≤ 120 ps or 350 ps
PRF:	1 Hz - 1 MHz
Jitter, Stability:	OK
Prime Power:	100-240V AC, 50-60 Hz.

Test Waveforms

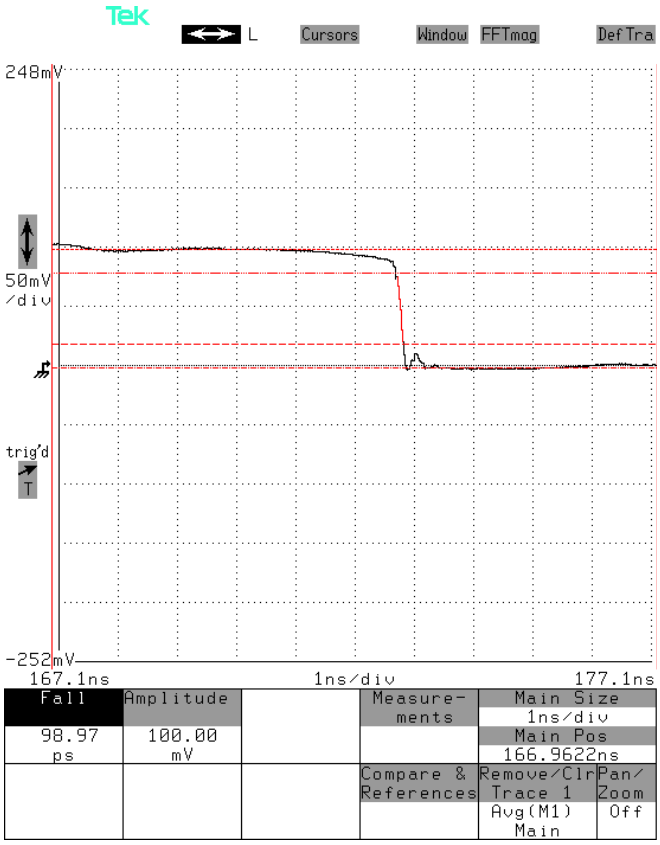
Leading edge at 100 kHz, 100 ns, +10V,

500 ps/div. 5 V/div (50 mV × 40 dB):



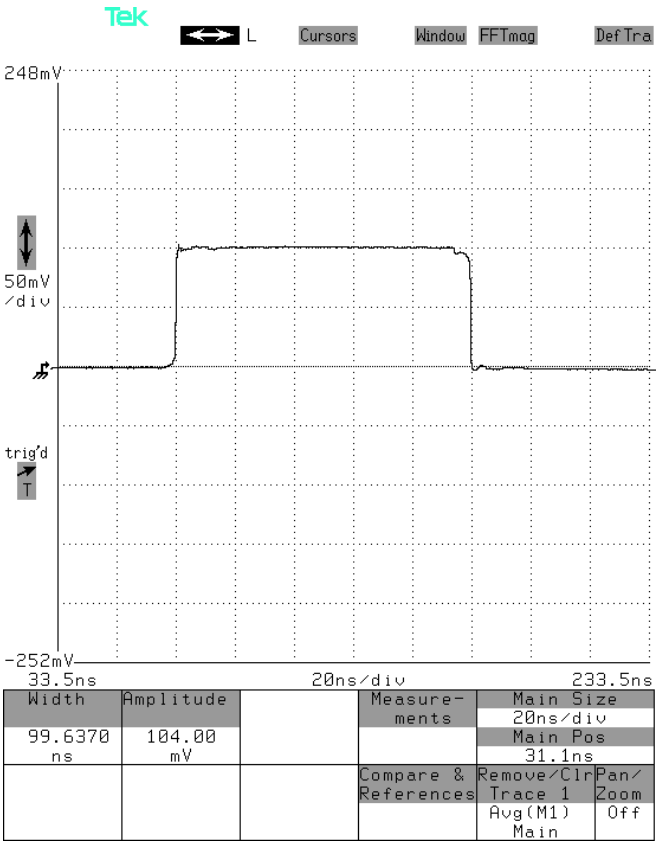
Trailing edge at 100 kHz, 100 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



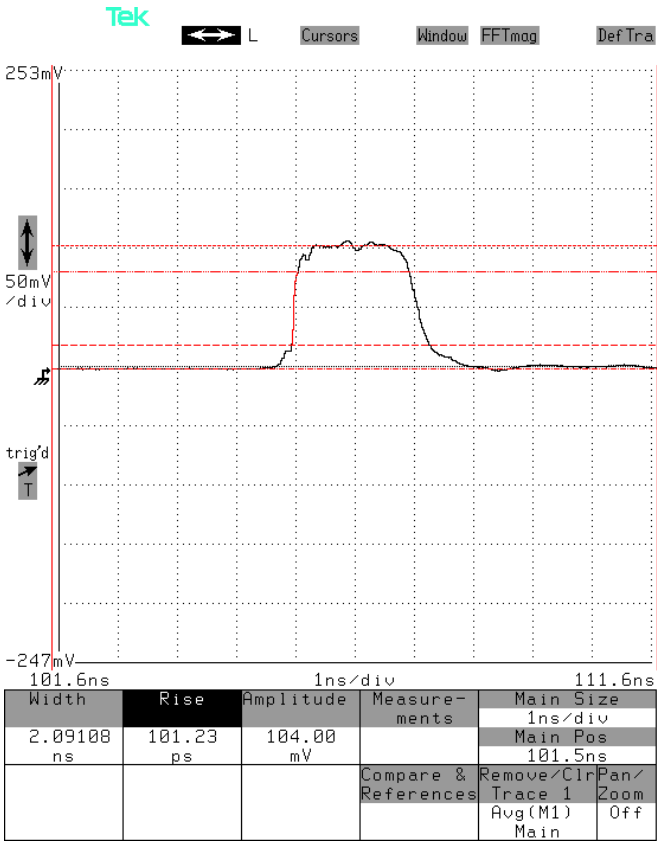
Full pulse at 100 kHz, 100 ns, +10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



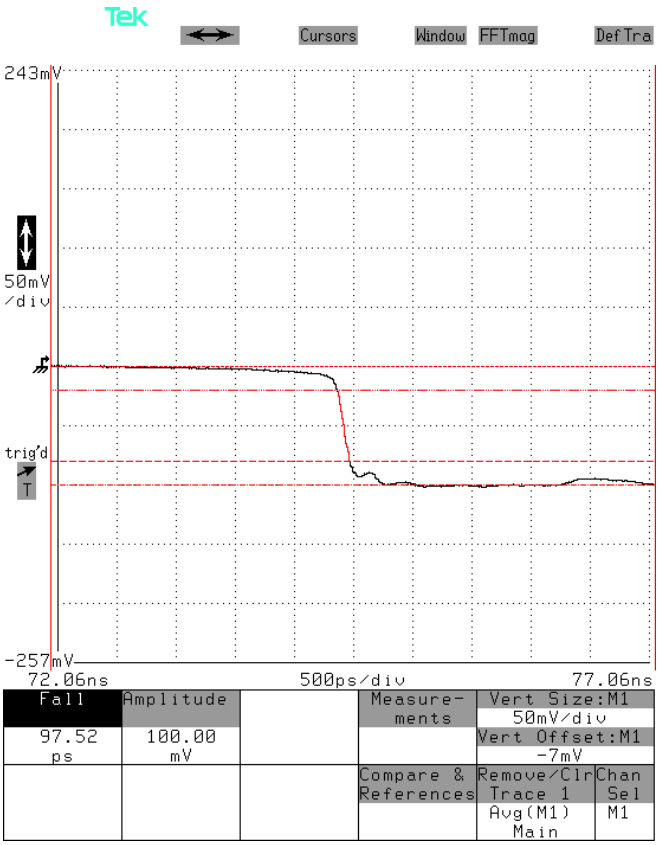
Full pulse at 100 kHz, 2 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



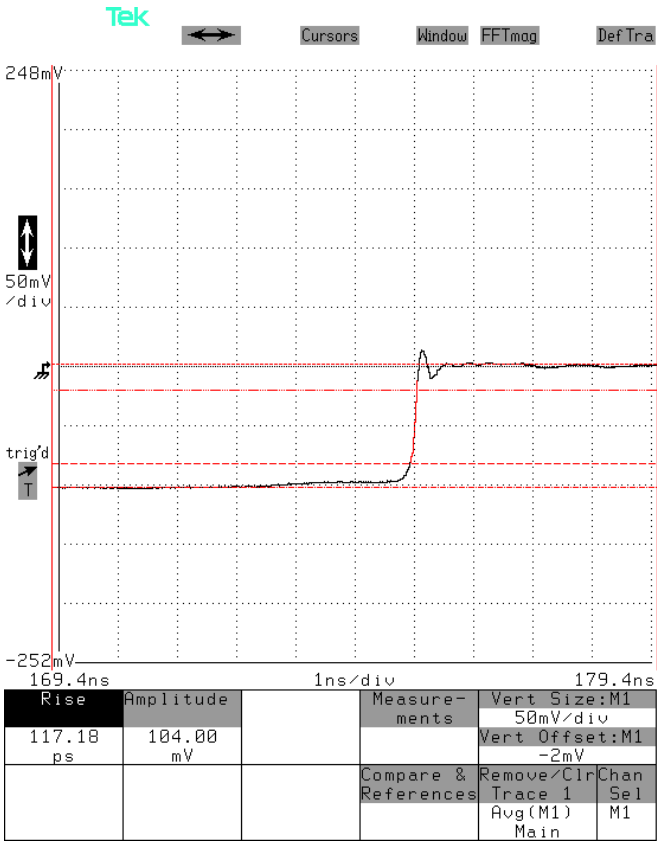
Leading edge at 100 kHz, 100 ns, -10V,

500 ps/div. 5 V/div (50 mV × 40 dB):



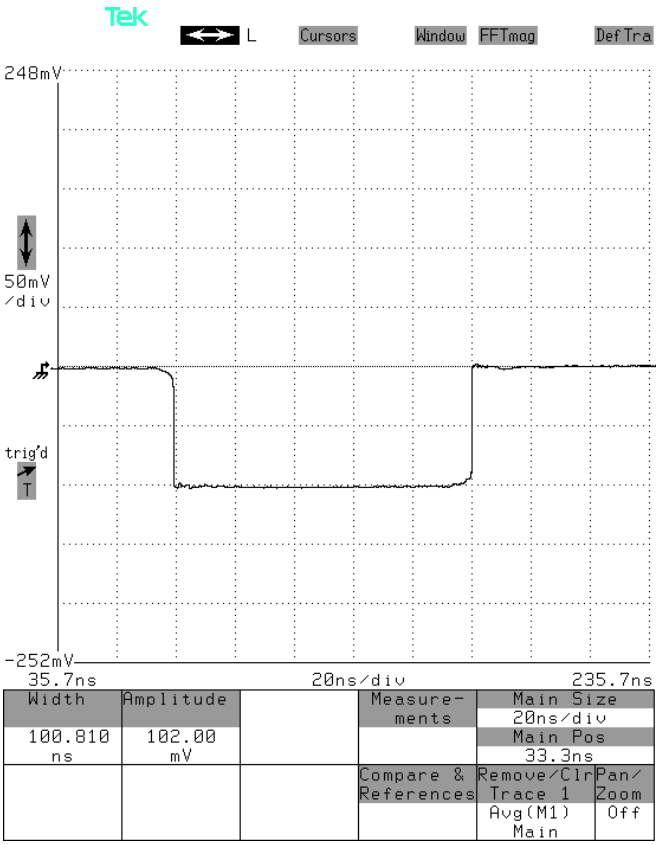
Trailing edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 100 ns, -10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 2 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):