



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVL-5-B-PN-TR-DP-KMPF
Type: Ultra-High-Speed Pulse Generator
S.N.: 13284
Date: April 30, 2015

Output Amplitude: up to $\pm 400V$, to 50Ω
Pulse Width (FWHM): 8 – 100 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 5 ns
PRF: 1 Hz - 2 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

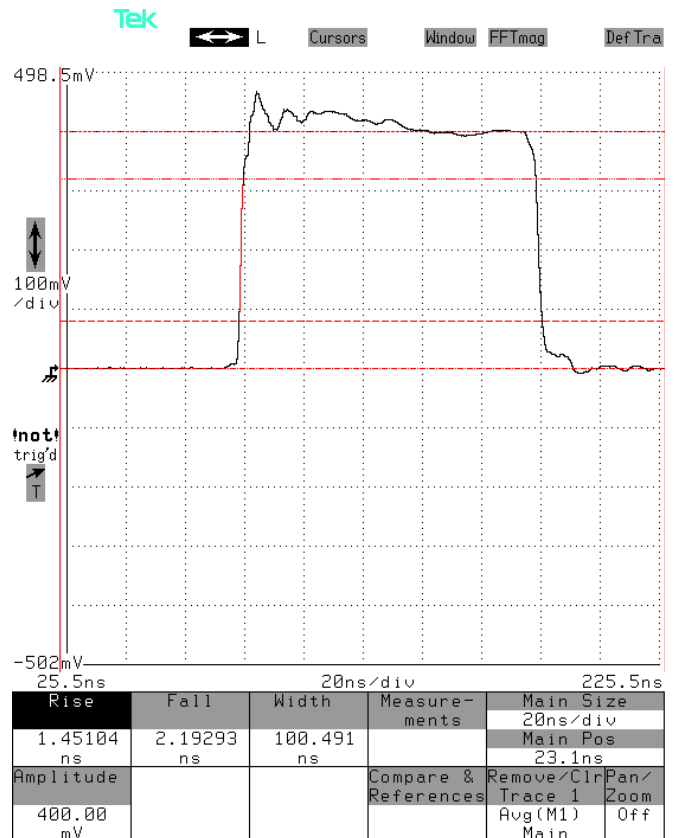
Test Waveforms

CH1, 2 kHz, < 8 ns, +400V,

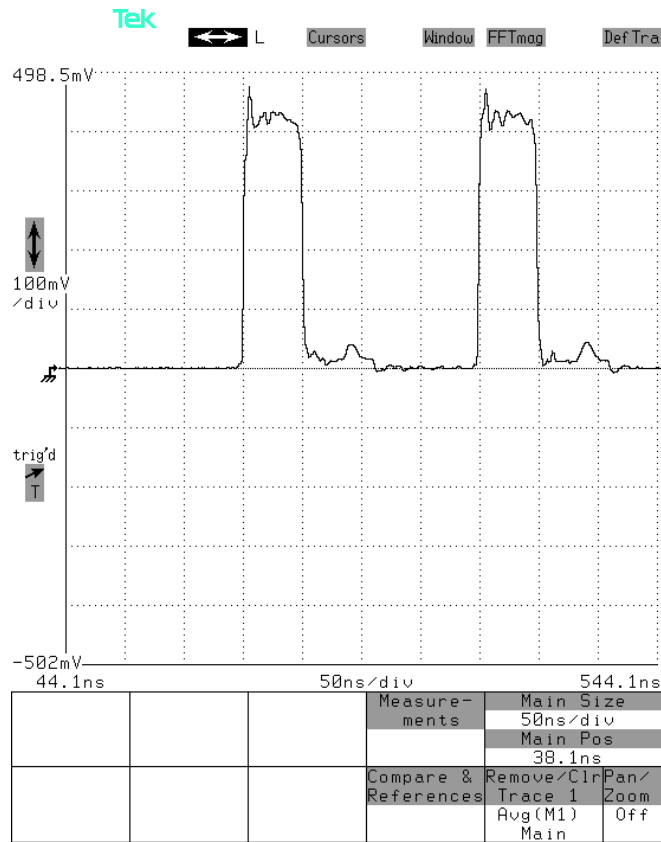
CH1, 2 kHz, 100 ns, +400V,

20 ns/div. 100 V/div (100 mV/div \times 60 dB):

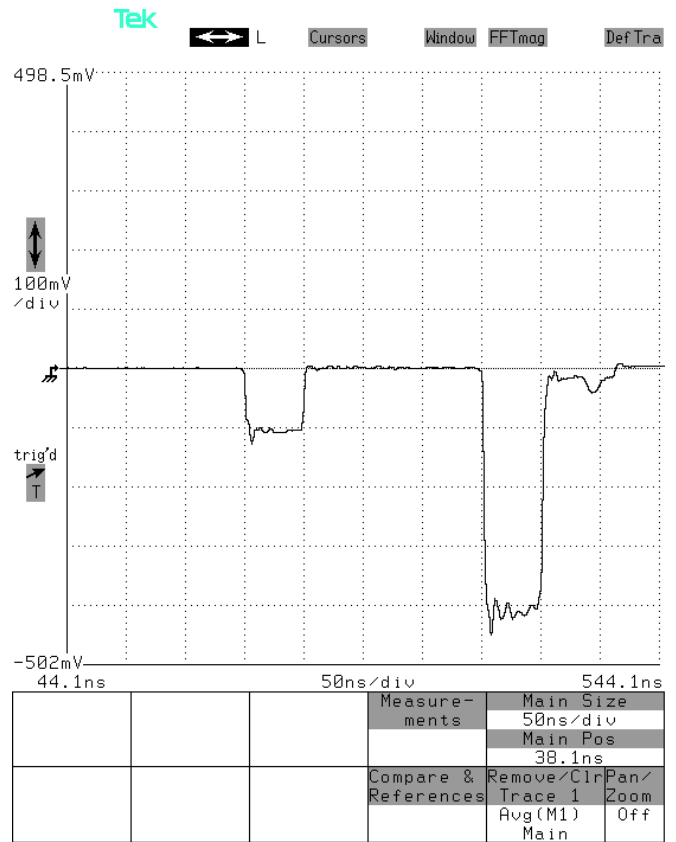
20 ns/div. 100 V/div (100 mV/div \times 60 dB):



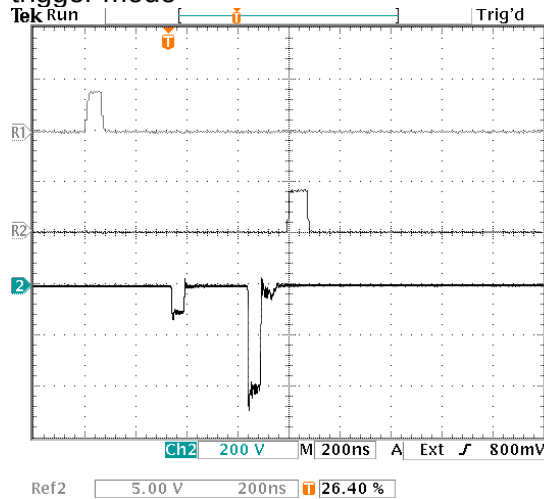
2 kHz, 50 ns, 200 ns delay, +400V,
50 ns/div. 100 V/div (100 mV/div × 60 dB):



2 kHz, 50 ns, 200 ns delay, -100V and -400V,
50 ns/div. 100 V/div (100 mV/div × 60 dB):



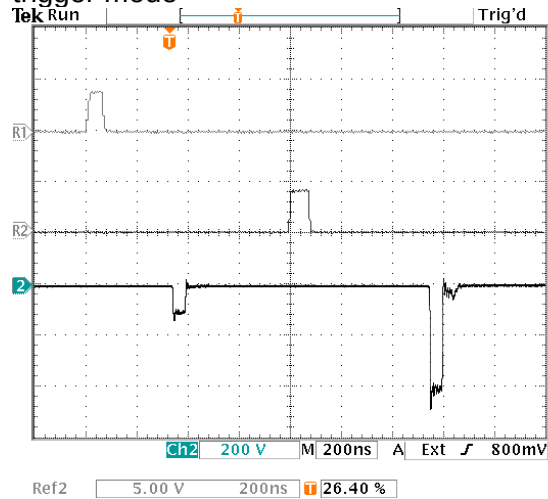
2 kHz, 50 ns, 0 ns DLY1, 300 ns DLY2, External trigger mode



30 Apr 2015 13:35:47

Top: TRIG1
Middle: TRIG2 (not used)
Bottom: OUT

2 kHz, 50 ns, 0 ns DLY1, 300 ns DLY2, Ext DbI trigger mode



30 Apr 2015 13:36:15

Top: TRIG1
Middle: TRIG2 (active)
Bottom: OUT