



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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CANADA K2C 3H5

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## PERFORMANCE CHECKSHEET

Model: AVL-5-B-PN-TR-DP-KMPF  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13573  
Date: June 26, 2017

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

Basic specifications: →

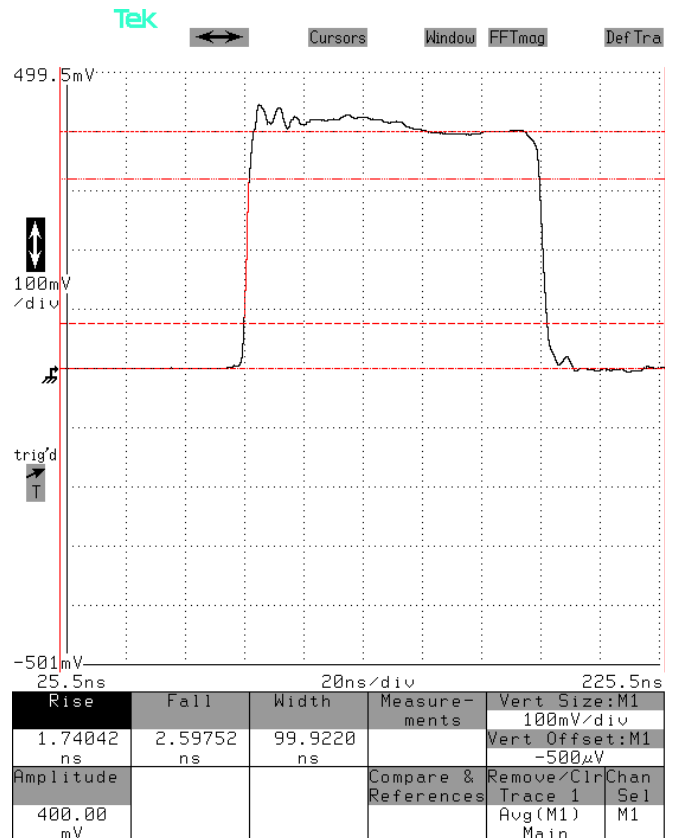
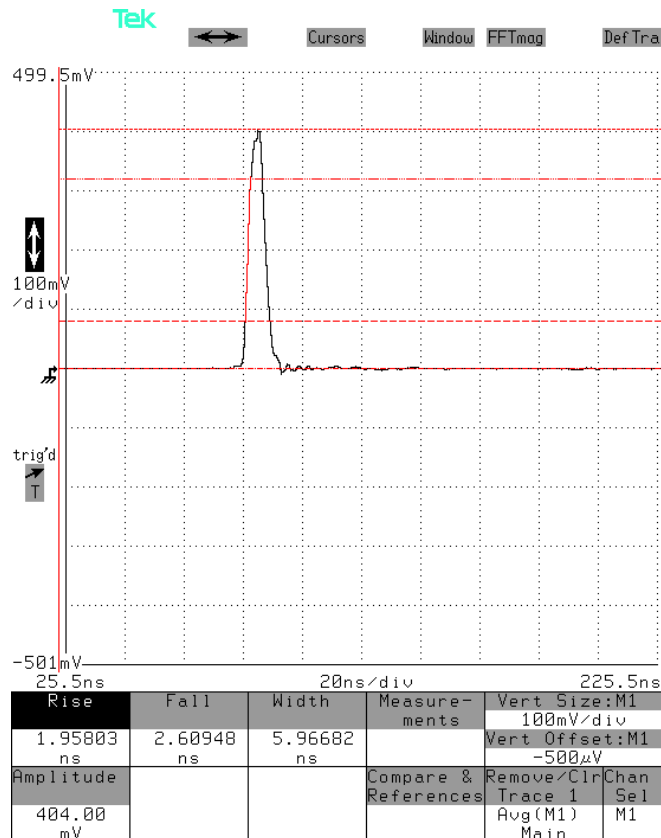
### Test Waveforms

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

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

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

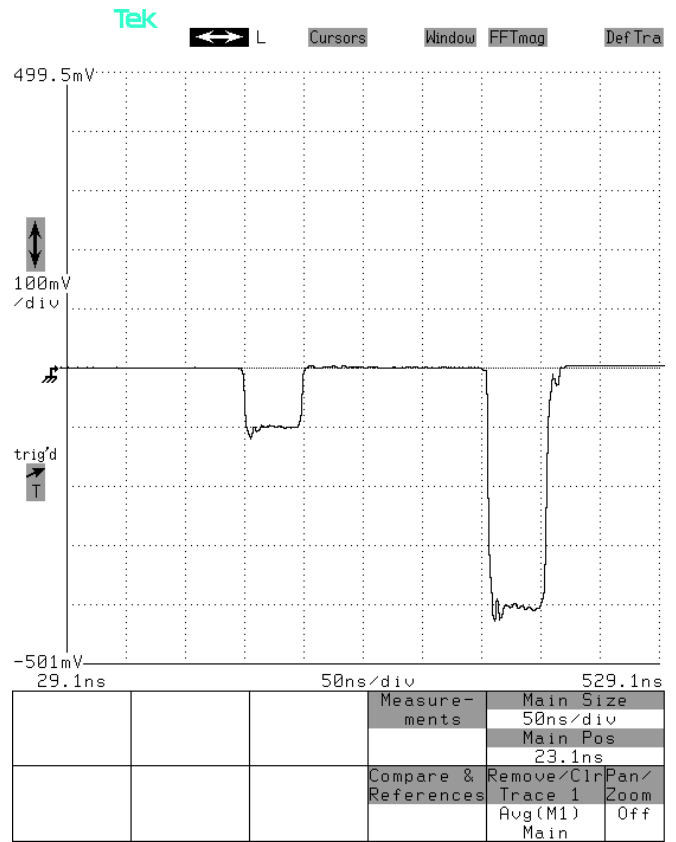
20 ns/div. 100 V/div (100 mV/div  $\times$  60 dB):



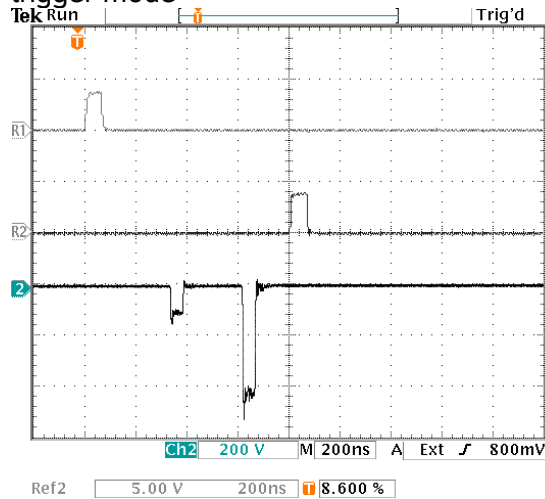
2 kHz, 50 ns, 200 ns delay, +400V,  
50 ns/div. 100 V/div (100 mV/div × 60 dB):



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



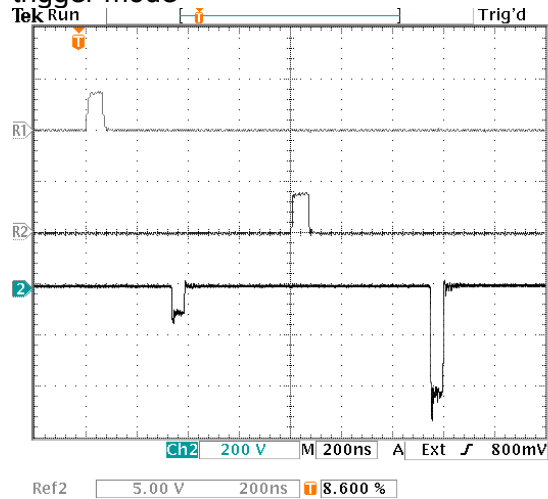
2 kHz, 50 ns, 0 ns DLY1, 300 ns DLY2, External trigger mode



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

23 Jun 2017 17:47:01

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



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

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