



P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVO-5-B-PN-EA-R5-AC03  
Type: High Speed, High Current Pulser  
S.N.: 131113  
Date: December 13, 2013

Output Amplitude: up to  $\pm 320V$ , to  $50\Omega$   
Pulse Width (FWHM): 6 – 100 ns  
Rise Time (20%-80%):  $\leq 3$  ns  
Fall Time (80%-20%):  $\leq 5$  ns  
PRF: 1 Hz - 5 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

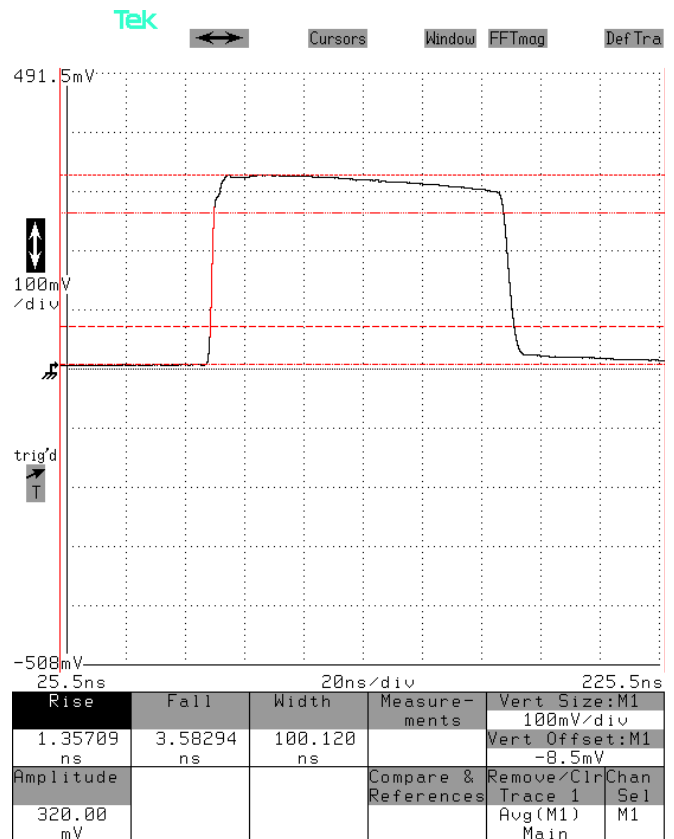
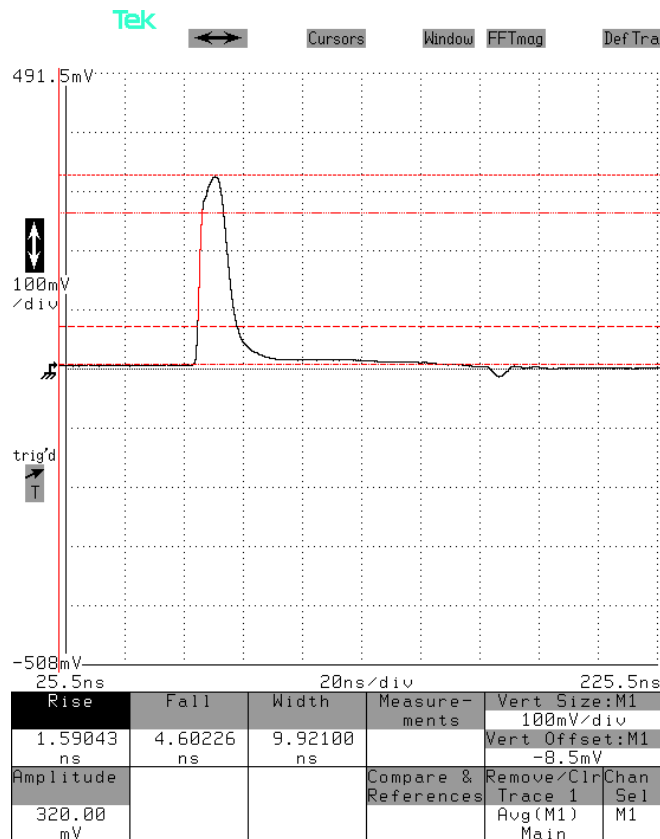
Test Waveforms

Mainframe output into  $50\Omega$ ,  
2 kHz, 10 ns, +320V,

Mainframe output into  $50\Omega$ ,  
2 kHz, 100 ns, +320V,

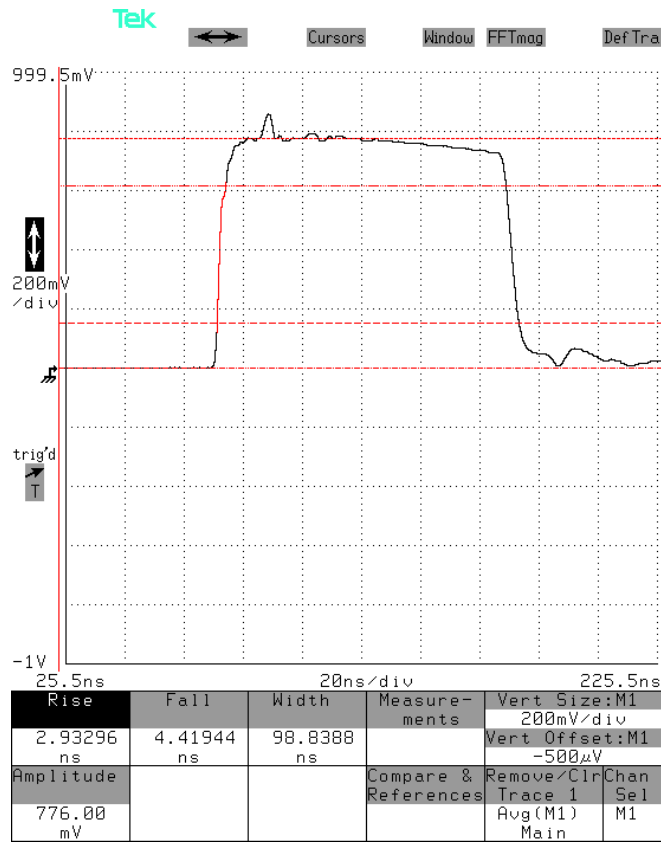
20 ns/div. 100 V/div (100 mV/div  $\times$  60 dB):

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



Output module into 3.1Ω,  
2 kHz, 100 ns, +320V,

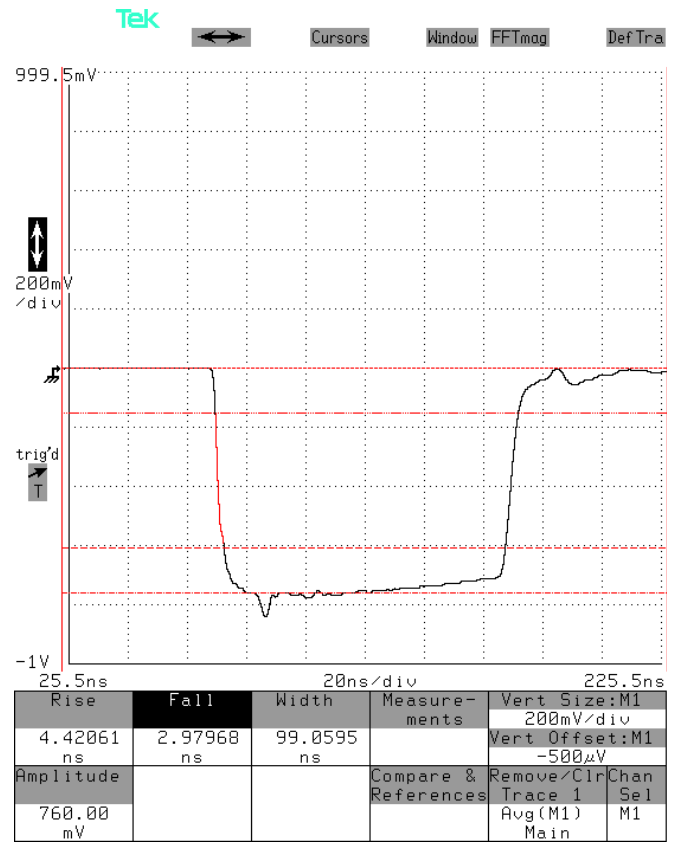
20 ns/div. 20 V/div (200 mV/div × 40 dB):



$$77.6\text{V} / 3.1\Omega = 25.0\text{ Amps}$$

Output module into 3.1Ω,  
2 kHz, 100 ns, -320V,

20 ns/div. 20 V/div (200 mV/div × 40 dB):



$$76.0\text{V} / 3.1\Omega = 24.5\text{ Amps}$$