



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: AVIR-3-B-OS-PN-GAL1  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12927  
Date: November 12, 2012

Output Amplitude: up to ±250V, to 50Ω  
Pulse Width (FWHM): 10 – 100 ns  
Rise Time (20%-80%): ≤ 2 ns for C<sub>L</sub> = 0 pF  
Fall Time (80%-20%): ≤ 2 ns for C<sub>L</sub> = 0 pF  
PRF: 1 Hz - 20 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

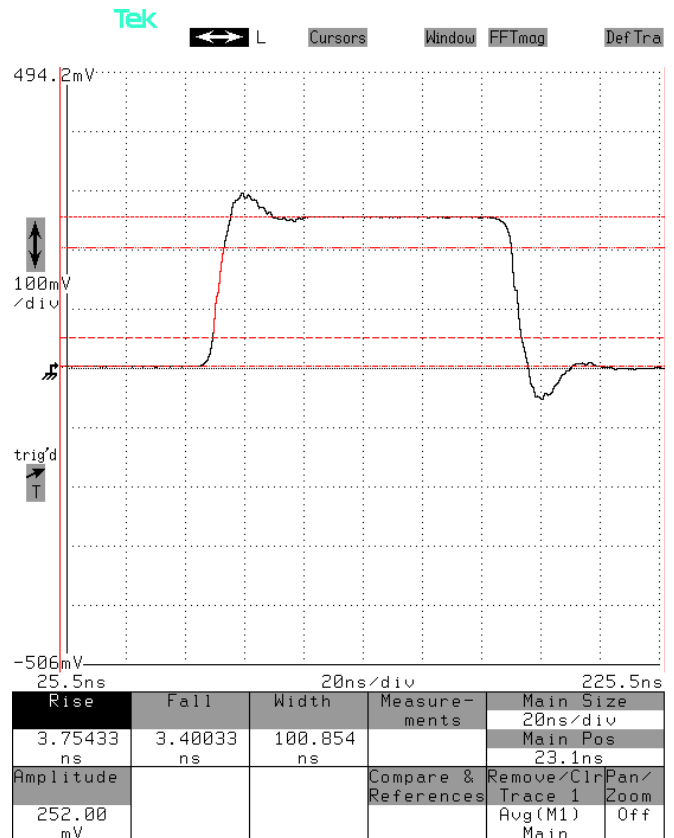
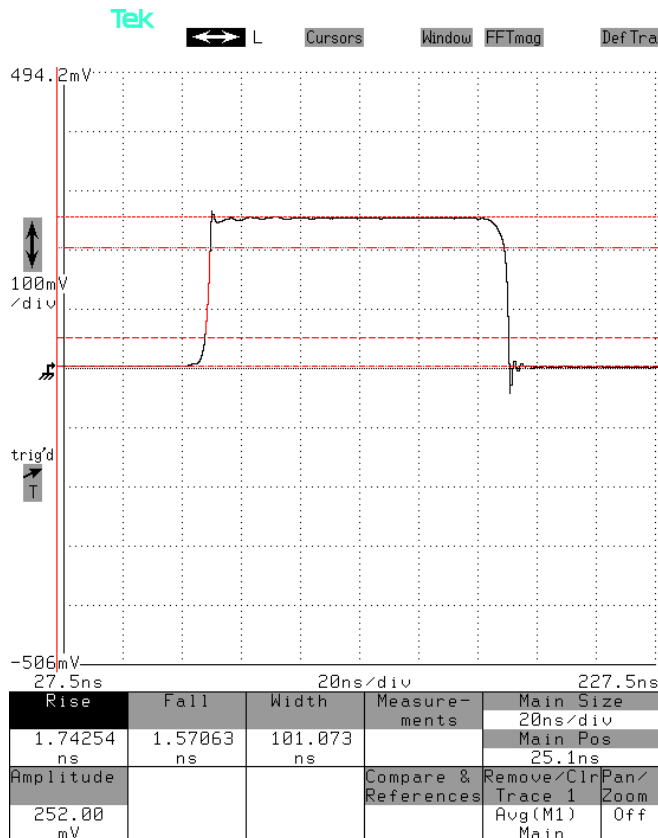
Basic specifications: →

Test Waveforms

20 kHz, 100 ns, +250V, R<sub>L</sub> = 50 Ω, C<sub>L</sub> = 0 pF,

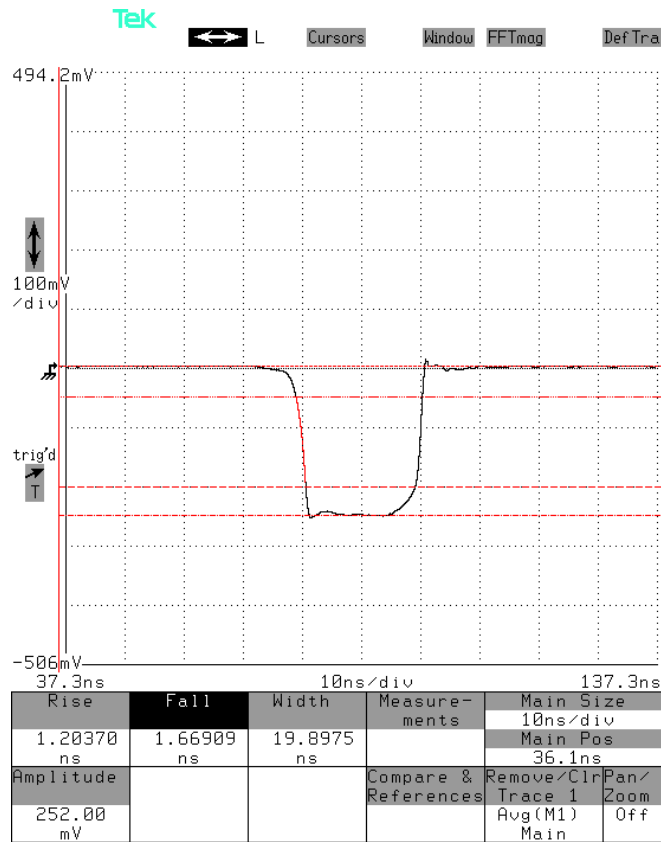
20 ns/div. 100 V/div (100 mV × 60 dB):

Same, except C<sub>L</sub> = 100 pF (at the end of 30 cm of coaxial cabling, going into the oscilloscope):



20 kHz, 20 ns, -250V,  $R_L = 50 \Omega$ ,  $C_L = 0 \text{ pF}$ ,

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



Same, except  $C_L = 100 \text{ pF}$  (at the end of 30 cm of coaxial cabling, going into the oscilloscope):

