



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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

TEL: 888-670-8729 (USA & Canada) or +1-613-226-5772 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-226-2802 (Intl)

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

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

## PERFORMANCE CHECKSHEET

Model: AV-144B1-HUB  
Type: High-Speed Pulse Generator Module  
S.N.: 11772  
Date: July 20, 2007

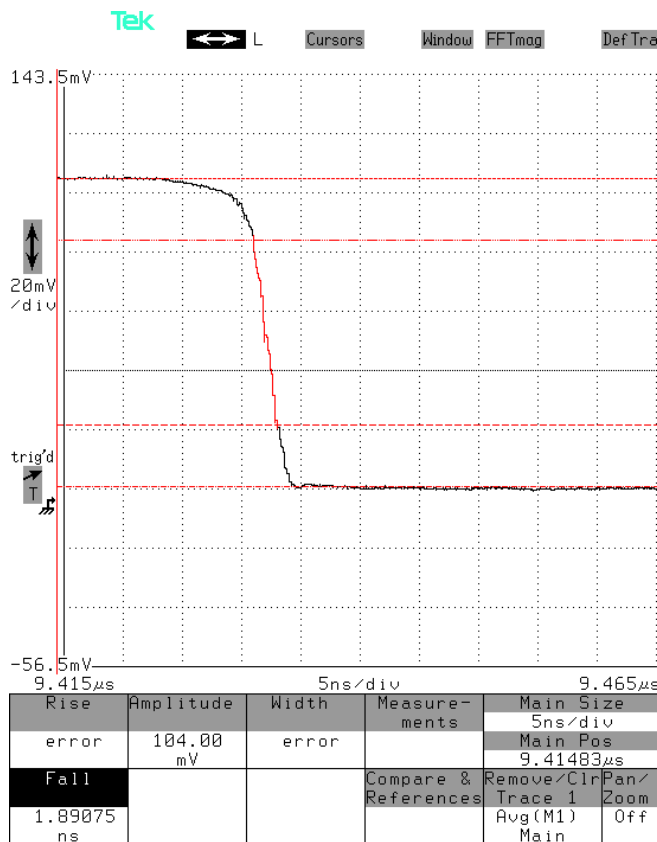
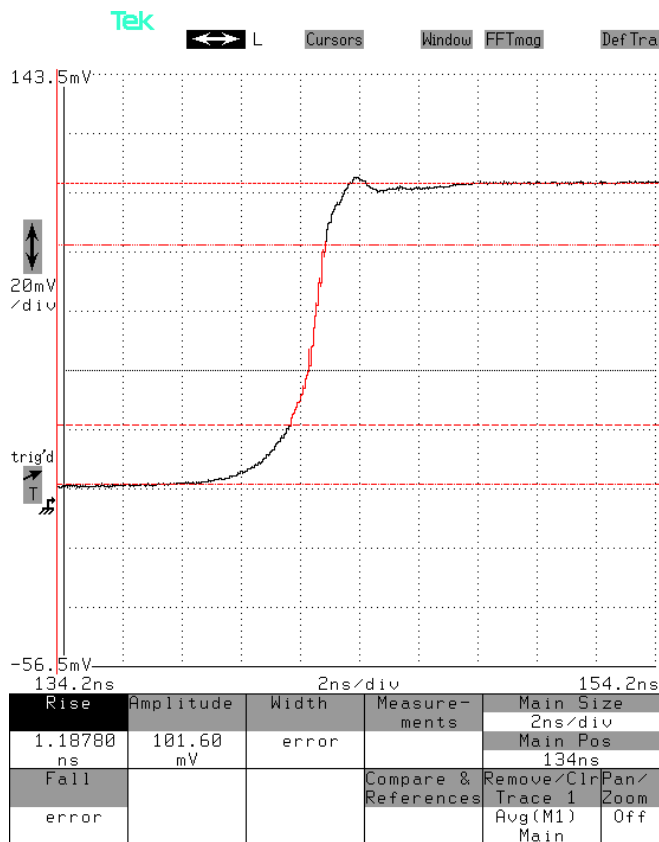
Output Amplitude: +100V, to 50Ω  
Pulse Width (FWHM): 100 ns – 1 ms  
Rise Time (20%-80%): ≤ 2 ns  
Fall Time (80%-20%): ≤ 2 ns  
Duty cycle: 5% maximum  
Jitter, Stability: OK  
Prime Power: +24V, -24V, +115V DC

Basic specifications: →

### Test Waveforms

Leading edge at 1 kHz, 10 us PW, +100V,  
2 ns/div. 20 V/div (20 mV × 60 dB):

Trailing edge at 1 kHz, 10 us PW, +100V,  
5 ns/div. 20 V/div (20 mV × 60 dB):



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

20 ns/div. 20 V/div (20 mV × 60 dB):

