



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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

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## PERFORMANCE CHECKSHEET

Model: AVRK-3-B-P-AC03  
Type: High Voltage Pulse Generator  
S.N.: 13493  
Date: August 31, 2016

Output Amplitude: up to +550V, to 50Ω  
Pulse Width (FWHM): 6 to 35 ns  
Rise Time (20%-80%): ≤ 4 ns  
Fall Time (80%-20%): varies with PW/ampl  
PRF: 1 Hz - 1 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz

Basic specifications: →

### Test Waveforms

1 kHz, 8 ns, +550V,

Top (main out): 100 V/div (100 mV/div × 60 dB)  
Bottom (monitor): 20 V/div (200mV/div × 40 dB)  
Both: 5 ns/div.

1 kHz, > 35 ns, > +550V,

Top (main out): 100 V/div (100 mV/div × 60 dB)  
Bottom (monitor): 20 V/div (200mV/div × 40 dB)  
Both: 10 ns/div.

