



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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

Tel: 888-670-8729 (USA & Canada)
or +1-613-686-6675 (Worldwide)

BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVRK-4-B-PN-TR
Type: High Voltage Pulse Generator
S.N.: 14497
Date: January 24, 2025

Basic specifications: →

Output Amplitude: up to $\pm 750V$, to 50Ω
Pulse Width (FWHM): 6 to 20 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): varies with PW/amp
PRF: 1 Hz - 1 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz

Test Waveforms

1 kHz, 6 ns, > -750V,

Top (main out): 200 V/div (200 mV/div $\times$ 60 dB)
Bottom (monitor): 20 V/div (200mV/div $\times$ 40 dB)
Both: 2 ns/div.

1 kHz, > 20 ns, > +750V,

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

