PERFORMANCE CHECKSHEET

Model: AVPP-1-B-PN
Type: Ultra-High-Speed Pulse Generator
S.N.: 12610
Date: March 28, 2011

Basic specifications:

Output Amplitude: 0 to ±10V, to 50Ω
Pulse Width (FWHM): 0.4 – 100 ns
Rise Time (20%-80%): ≤ 100 ps or 150 ps
Fall Time (80%-20%): ≤ 120 ps or 350 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Test Waveforms

Leading edge at 100 kHz, 100 ns, +10V,
500 ps/div. 5 V/div (50 mV × 40 dB):

Trailing edge at 100 kHz, 100 ns, +10V,
1 ns/div. 5 V/div (50 mV × 40 dB):
Full pulse at 100 kHz, 100 ns, +10V, 20 ns/div. 5 V/div (50 mV × 40 dB):

Full pulse at 100 kHz, 2 ns, +10V, 1 ns/div. 5 V/div (50 mV × 40 dB):
Leading edge at 100 kHz, 100 ns, -10V, 500 ps/div. 5 V/div (50 mV × 40 dB):

Trailing edge at 100 kHz, 100 ns, -10V, 1 ns/div. 5 V/div (50 mV × 40 dB):
Full pulse at 100 kHz, 100 ns, -10V, 20 ns/div. 5 V/div (50 mV × 40 dB):

Full pulse at 100 kHz, 2 ns, -10V, 1 ns/div. 5 V/div (50 mV × 40 dB):