PERFORMANCE CHECKSHEET

Model: AVR-E3A-B-PN-TNT
Type: Ultra-High-Speed Pulse Generator
S.N.: 12742
Date: December 2, 2011

Output Amplitude: up to ±100V, to 50Ω
Pulse Width (FWHM): 10 – 500 ns
Rise Time (20%-80%): ≤ 1.2 ns
Fall Time (80%-20%): ≤ 2 ns (3 ns if PW<15ns)
PRF: 1 Hz – 200 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz

Test Waveforms

Full pulse at 200 kHz, 10 ns, +100V,
5 ns/div. 50 V/div (50 mV × 60 dB):

Full pulse at 200 kHz, 25 ns, -100V,
5 ns/div. 50 V/div (50 mV × 60 dB):

/fileserver/production/check-sheets/sn12742,AVR-E3A-B-PN-TNT.odt
Full pulse at 40 kHz, 500 ns, +100V,
100 ns/div. 50 V/div (50 mV × 60 dB):