

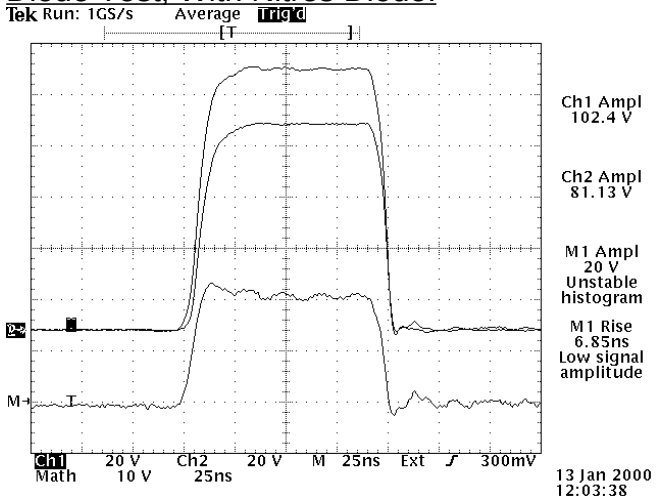
PULSE GENERATOR
PERFORMANCE CHECK

Model: AV-1011-B-NIT1

S.N.: 9138

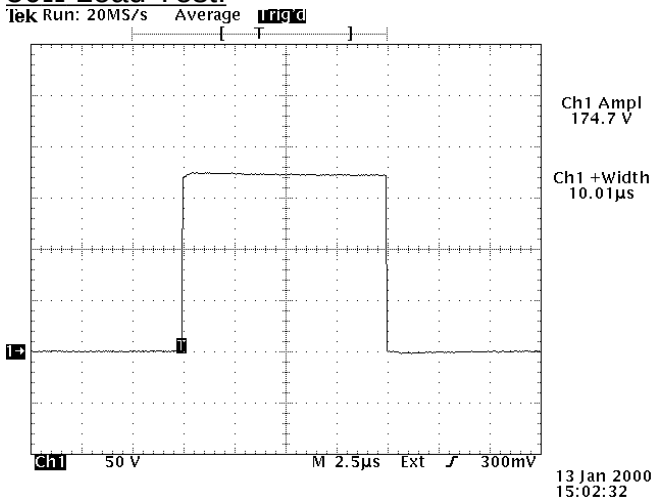
Date: January 13, 2000

Diode Test, With Nitres Diode:



Load = Nitres diode in series with 50 Ohms to ground.
Top: OUT, with settings: +175V, $Z_{OUT}=50\Omega$, PW=100ns
Mid: Voltage across 50 Ohms
Bottom: Voltage across diode
For these settings, $I_{DIODE} = (175-20/100)=1.55A$, approx

50Ω Load Test:



OUT, 175 amplitude, 10 us PW, 1% duty cycle, into 50 Ohms.

a) Output Signal Amplitude: 0 to +175V

b) DC Offset: N/A

c) Pulse Width: 30 ns – 1 ms

d) Rise Time: 10 ns

e) Fall Time: 10 ns

f) PRF: 0.1Hz - 100 kHz

g) Jitter, Stability: OK

h) Prime Power: 120/240V AC, 50-60 Hz,