PERFORMANCE CHECKSHEET

Model: AVR-EBF6-B-DIPFP
Type: Forward Recovery Measurement Test System
S.N.: 12000
Date: June 23, 2008

1N5772 SAMPLE WAVEFORM (PINS 1 AND 5)

a) Output Signal Amplitude: +0.1 to +1A
b) Pulse Width (FWHM): 200 – 500 ns
c) Rise Time (10%-90%): 10 ns
d) PRF: 1 Hz - 100 Hz
e) Jitter, Stability: OK
f) Prime Power: 100-240V AC, 50-60 Hz.

Dark blue: MON output (V_{IN}/10, +26.5V, with ~ 10 ns rise time). 0.5 V/div, 10 ns/div.

Light blue: Main output (V_{DUT}/10). 50 mV/div, 10 ns/div.

Grey: Inductance nulling waveform. 50 mV/div, 10 ns/div.

Red: Calculated forward voltage, compensating for inductance. 50 mV/div, 10 ns/div.

Shows V_{FM} = 2.1V, and t_{FR} = 21.6 ns for I_{F} = 500 mA, using the recovery point 10% above steady state.

See the manual for additional waveforms and analysis.