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# PERFORMANCE CHECKSHEET

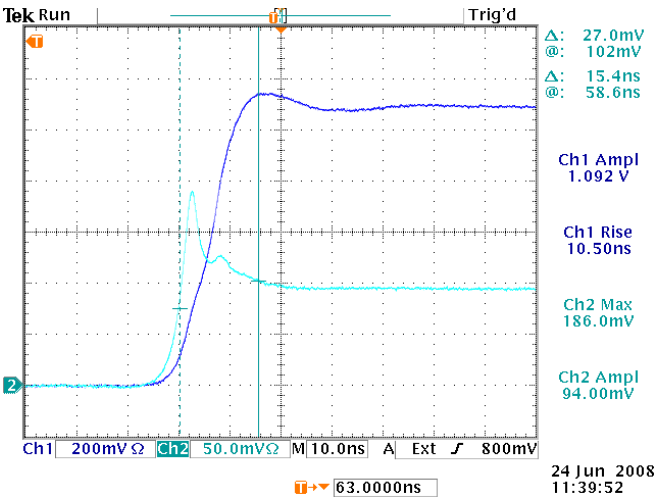
Model: AVR-EBF6-B-ANB-F8NS-F12NS
Type: Forward Recovery Test System
S.N.: 12039
Date: June 24, 2008

Basic specifications: →

Output Amplitude: 100 mA to 1 A
Pulse Width (FWHM): 200 ns to 10 us
Rise Time (10%-90%): 8, 10, 12 ns, depending on the filter used
PRF: 1 Hz - 100 Hz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

## Test Waveforms

### 1N6442 SAMPLE WAVEFORM (Sample #108)




Dark blue: MON output ($V_{IN}$/10, +10.9V, with ~ 10 ns rise time). 200 mV/div, 10 ns/div.

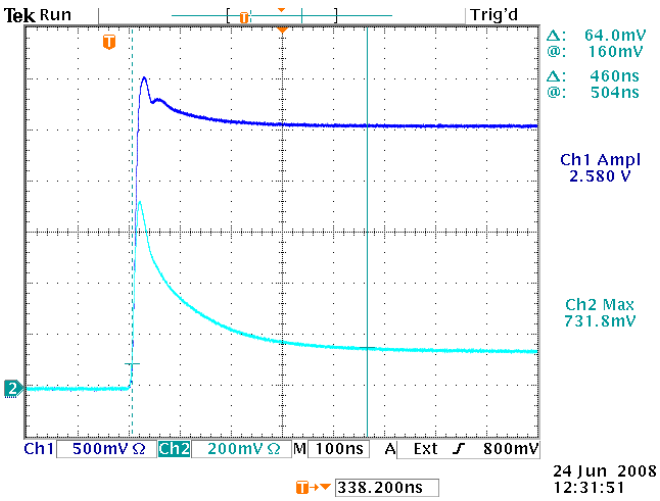
Light blue: Main output ($V_{DUT}$/10). 50 mV/div, 10 ns/div.

Shows $V_{FM}$ = 1.86V, and $t_{FR}$ = 15.4 ns for $I_F$ = 200 mA, using the recovery point 10% above steady state.

The MIL-PRF-19500/578H specification calls for $V_{FM}$ < 5V and $t_{FR}$ < 20 ns.

Tested using the AVX-TFR-ANB test jig and the AVX-FILT-10NS filter.

### 1N6625 SAMPLE WAVEFORM (Sample #437)




Dark blue: MON output ($V_{IN}$/10, +25.8V, with ~ 12 ns rise time). 500 mV/div, 100 ns/div.

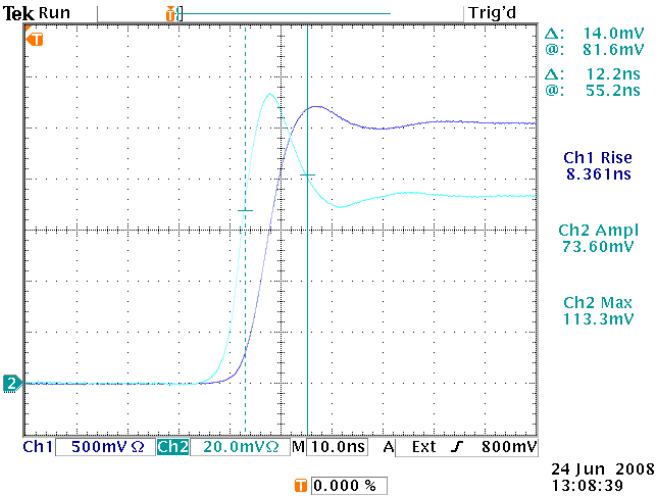
Light blue: Main output ($V_{DUT}$/10). 200 mV/div, 100 ns/div.

Shows $V_{FM}$ = 7.318V, and $t_{FR}$ = 460 ns for $I_F$ = 500 mA, using the recovery point 10% above steady state.

The MIL-PRF-19500/585F specification calls for $V_{FM}$ < 30V.

Tested using the AVX-TFR-ANB test jig and the AVX-FILT-12NS filter.

1N5811US SAMPLE WAVEFORM




Dark blue: MON output ($V_{IN}$/10, +25.8V, with ~ 8 ns rise time). 500 mV/div, 10 ns/div.

Light blue: Main output ($V_{DUT}$/10). 20 mV/div, 10 ns/div.

Shows $V_{FM}$ = 1.13V, and $t_{FR}$ = 12.2 ns for $I_F$ = 500 mA, using the recovery point 10% above steady state.

The MIL-PRF-19500/477H specification calls for $V_{FM}$ < 2.2V and $t_{FR}$ < 15 ns.

Tested using the AVX-TFR-SQMELF test jig and the AVX-FILT-8NS filter.

(This device was not provided by the client. It is an Avtech internal sample.)