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PERFORMANCE CHECKSHEET

Model: AVR-EBF6-B-AC22-ANB
Type: Forward Recovery Test System
S.N.: 12539
Date: November 25, 2010

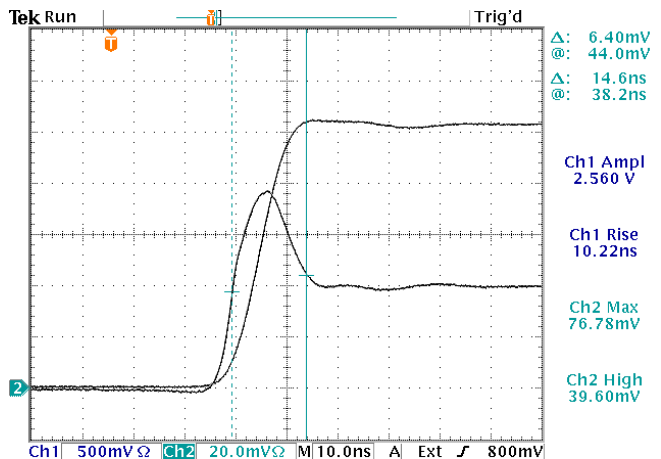
Output Amplitude: 100 mA to 1 A
Pulse Width (FWHM): 200 ns to 10 us
Rise Time (10%-90%): 10 ns (depending on the filter used)

Basic specifications: →

PRF: 1 Hz - 100 Hz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Test Waveforms

1N5819 sample waveform



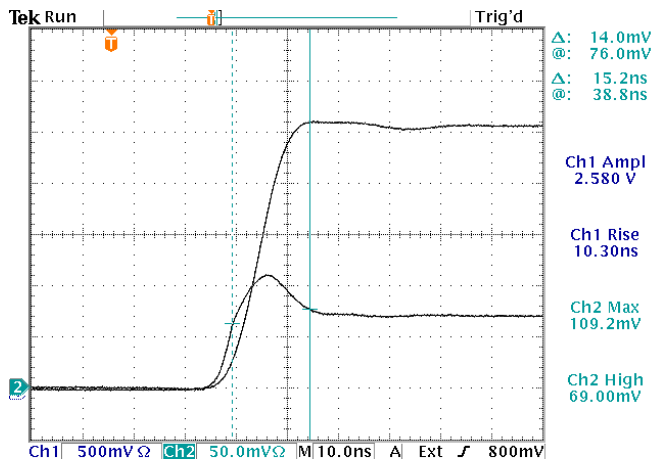
Step waveform: MON output ($V_{IN}/10$, +25.5V, with ~ 10 ns rise time). 500 mV/div, 10 ns/div.

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

Shows $V_{FM} = 0.77V$, and $t_{FR} = 14.6$ ns for $I_F = 500$ mA, using the recovery point 10% above steady state.

Tested using the supplied AVX-TFR-MIX test jig and the standard AVX-FILT-10NS filter.

1N5811 sample waveform



Step waveform: MON output ($V_{IN}/10$, +25.5V, with ~ 10 ns rise time). 500 mV/div, 10 ns/div.

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

Shows $V_{FM} = 1.09V$, and $t_{FR} = 15.2$ ns for $I_F = 500$ mA, using the recovery point 10% above steady state.

Tested using the supplied AVX-TFR-MIX test jig and the standard AVX-FILT-10NS filter.