



P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

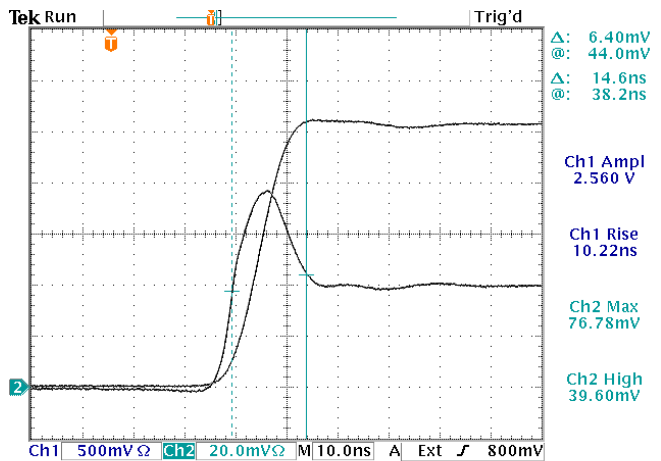
Model: AVR-EBF6-B-AC22-ANB
Type: Forward Recovery Test System
S.N.: 12539
Date: November 25, 2010

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

Basic specifications: →

Test Waveforms

1N5819 sample waveform



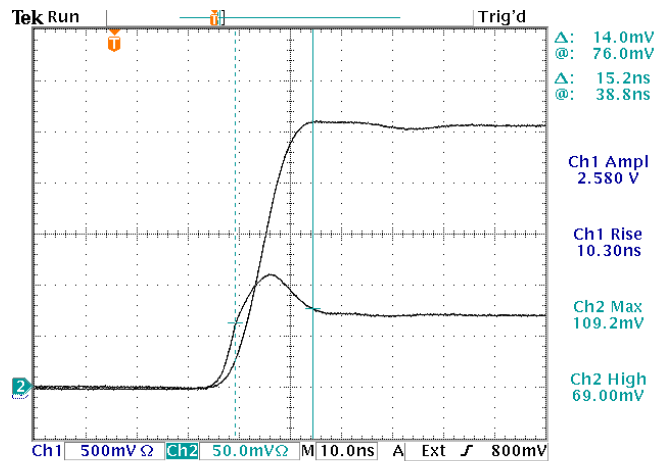
Step waveform: MON output ($V_{IN}/10$, +25.5V, with ~ 10 ns rise time). 500 mV/div, 10 ns/div.

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.