



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  
Type: Forward Recovery Test System  
S.N.: 12350  
Date: December 7, 2009

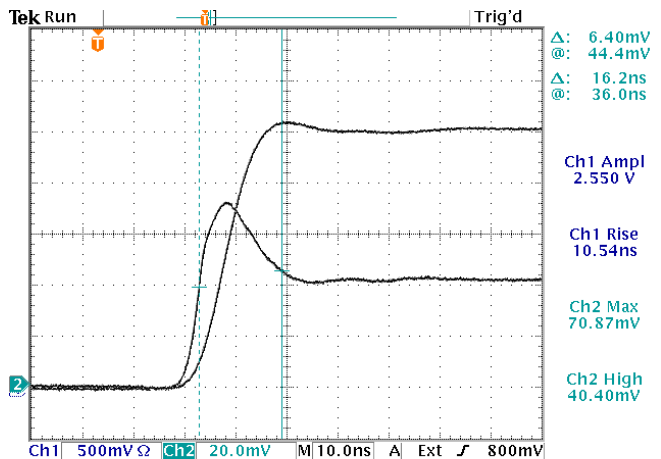
Output Amplitude: 100 mA to 1 A  
Pulse Width (FWHM): 200 ns to 10 us  
Rise Time (10%-90%): 10 ns (depending on the filter used)

Basic specifications: →

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

Test Waveforms

1N5819 sample waveform



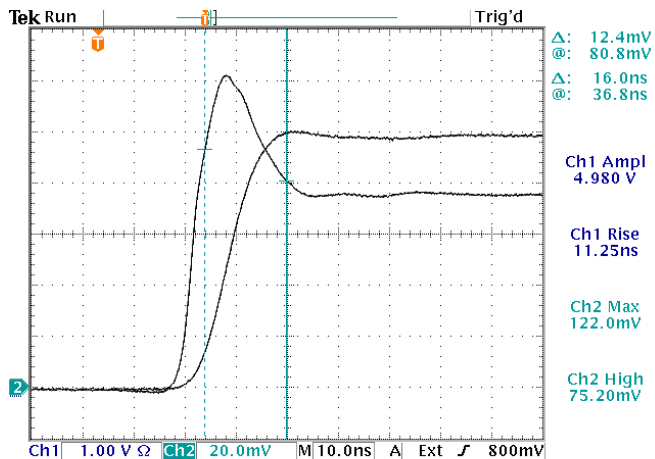
Step waveform: MON output ( $V_{IN}/10$ , +25.5V, with ~ 10 ns rise time). 500 mV/div, 10 ns/div.

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

Shows  $V_{FM} = 0.71V$ , and  $t_{FR} = 16.2$  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.

MQ1N5811US sample waveform



Step waveform: MON output ( $V_{IN}/10$ , +50.5V, with ~ 10 ns rise time). 1V/div, 10 ns/div.

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

Shows  $V_{FM} = 1.22V$ , and  $t_{FR} = 16.0$  ns for  $I_F = 1A$ , using the recovery point 10% above steady state.

Tested using the AVX-TFR-SQMELF (S/N 12352) test jig and the standard AVX-FILT-10NS filter.