PERFORMANCE CHECKSHEET

Model: AVR-EB4-B-DO214AC
Type: Semiconductor Device Tester
S.N.: 13985
Date: April 1, 2020

Basic specifications: →

Output Amplitude: to +2A, -4A
Pulse Width (FWHM): 2 – 20 us
Switching Time, + to -, 10%-90%: ≤ 4.5 ns
PRF: 1 - 100 Hz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Test Waveforms

With a Vishay US1M-E3/61T installed in the AVX-TRR-DO214AC test jig, connected using the 60 cm / 24” coaxial cable:

I_F = +0.5A, I_R = -1A, I_RR = -0.25A.
100 Hz, 20 us PW.
2V (400 mA) / div, 40 ns/div.
Measured t_RR = 60 ns.

Same DUT, with higher currents:

I_F = +2A, I_R = -4A, I_RR = -1A.
100 Hz, 20 us PW.
5V (1A) / div, 40 ns/div.
Measured t_RR = 60 ns.
Mainframe output, with a zero Ohm jumper installed in the AVX-TRR-DO214AC test jig:

50 V / div, 20 ns/div. +100V, -200V.

90% - 10% fall time shown.