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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVN-3-C-P-PN-AT
Type: Ultra-High-Speed Pulse Generator
S.N.: 12163
Date: January 8, 2009

Max. Output Amplitude: varies with PRF, 5-15V
Pulse Width (FWHM): 0.3 - 1 ns
Rise Time (20%-80%): ≤ 150 ps
Fall Time (80%-20%): ≤ 150 ps
PRF: 25 - 250 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

At 100 MHz and 0.3 ns, with:

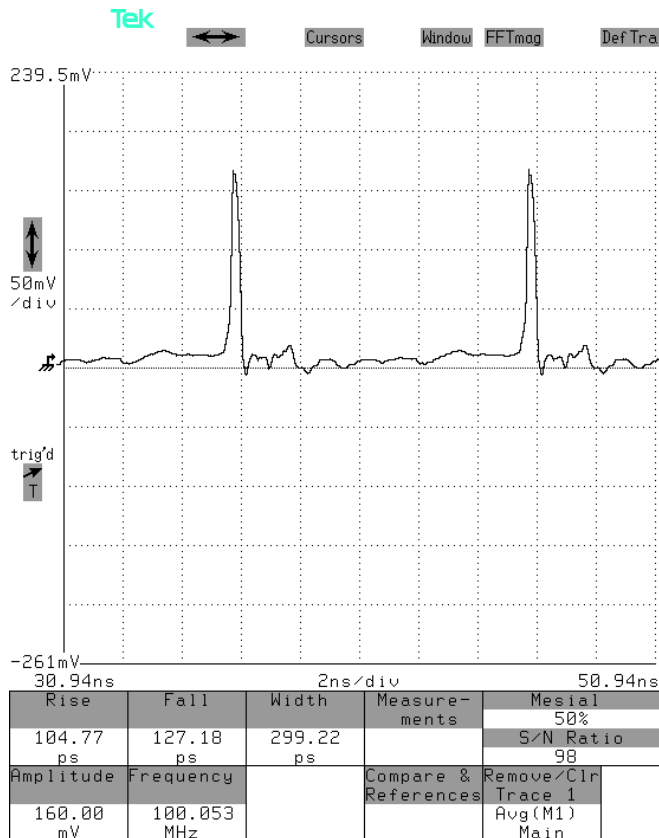
AMP dial = 10.0
TR dial = 6.46
TF dial = 3.70

At 100 MHz and 1 ns, with:

AMP dial = 10.0
TR dial = 8.79
TF dial = 6.67

2 ns/div. 5 V/div (50 mV × 40 dB):

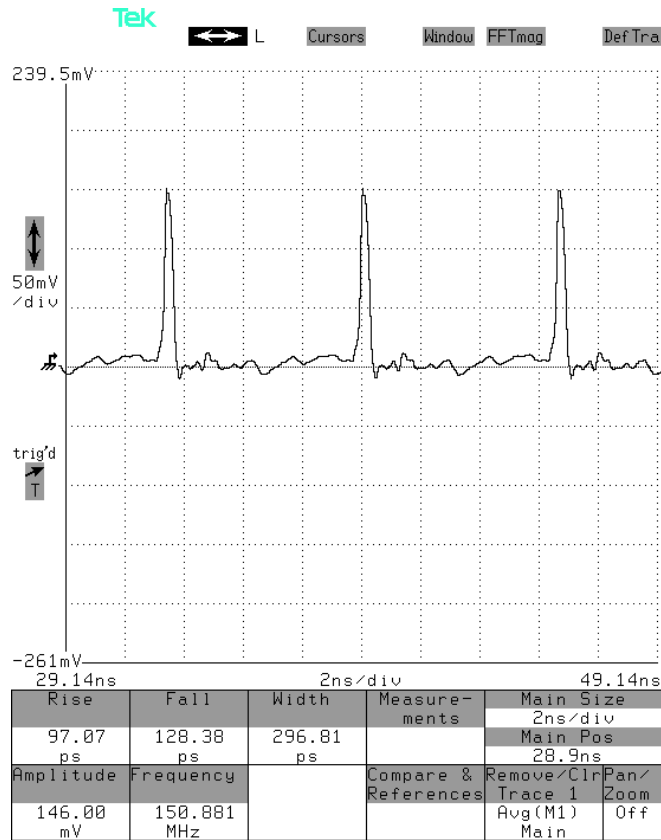
2 ns/div. 5 V/div (50 mV × 40 dB):



At 150 MHz and 0.3 ns, with:

AMP dial = 10.0
 TR dial = 3.73
 TF dial = 2.20

2 ns/div. 5 V/div (50 mV × 40 dB):



At 150 MHz and 1 ns, with:

AMP dial = 10.0
 TR dial = 8.35
 TF dial = 6.24

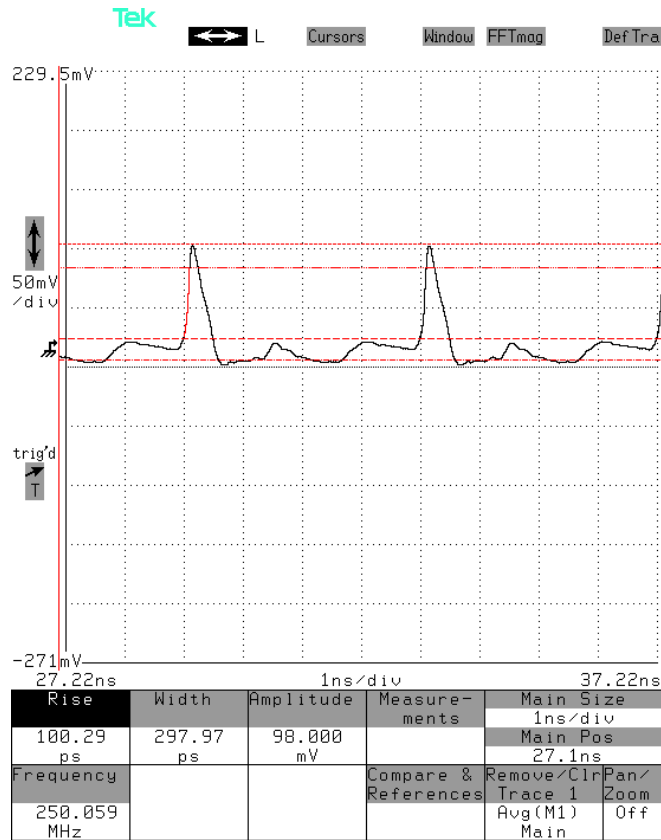
2 ns/div. 5 V/div (50 mV × 40 dB):



At 250 MHz and 0.3 ns, with:

AMP dial = 10.0
 TR dial = 9.10
 TF dial = 10.00

1 ns/div. 5 V/div (50 mV × 40 dB):



At 250 MHz and 0.6 ns, with:

AMP dial = 7.30
 TR dial = 10.00
 TF dial = 5.27

1 ns/div. 5 V/div (50 mV × 40 dB):



It is not possible to extend the pulse width to 1 ns at 250 MHz.