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PERFORMANCE CHECKSHEET

Model: AVX-CP-1
Type: Pulse Combiner
S.N.: 13614
Date: October 10, 2017

Impedance: 50 Ohms
Maximum input: 40V
Maximum pulse width: 60 ns at 40V
Rise time (20%-80%): < 300 ps
Drop: < 10 %

Basic specifications: →

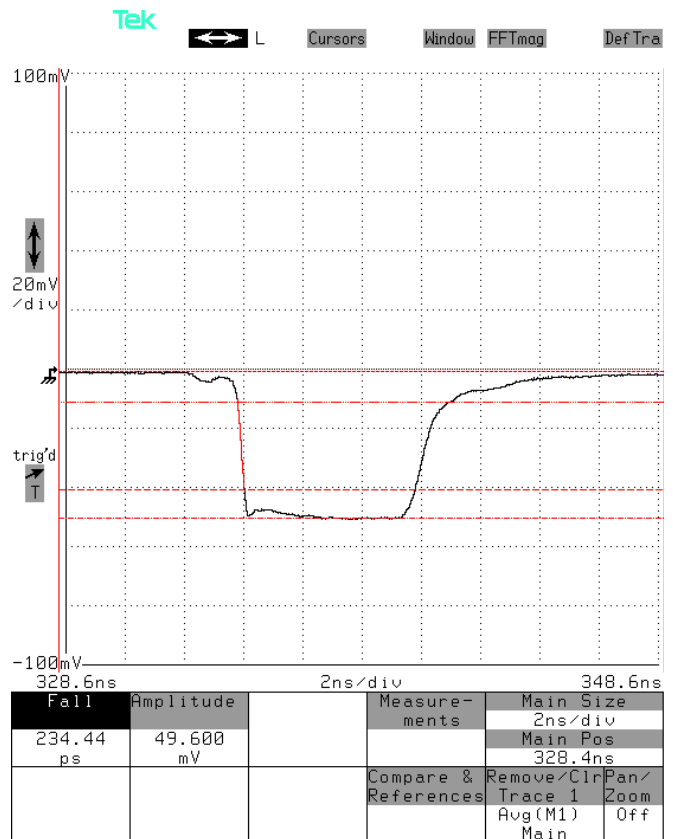
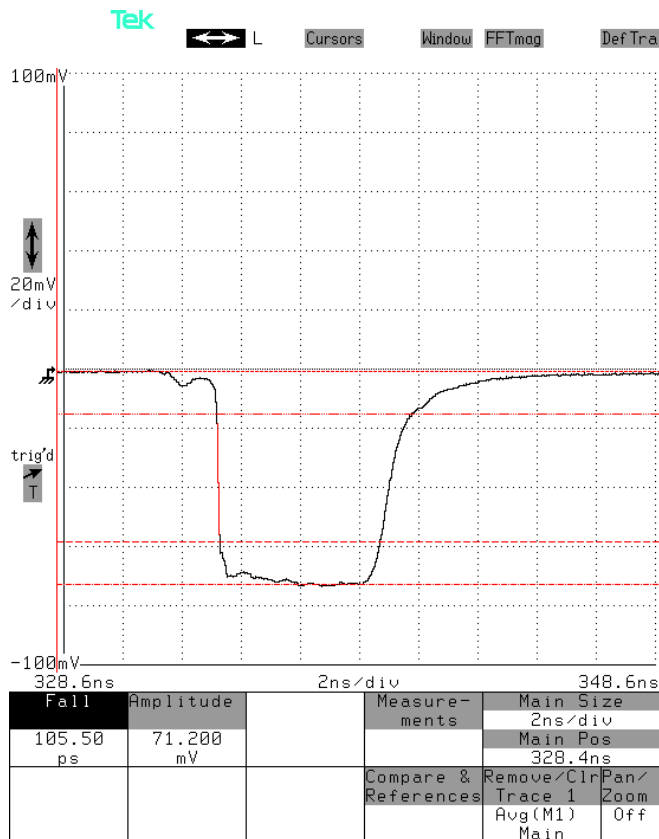
Rise-Time Test

Fast-rise-time input to AVX-CP-1 input 1 (with input 2 terminated with 50 Ohms),

2 ns/div. 2 V/div (20 mV/div × 40 dB):

Corresponding output of AVX-CP-1,

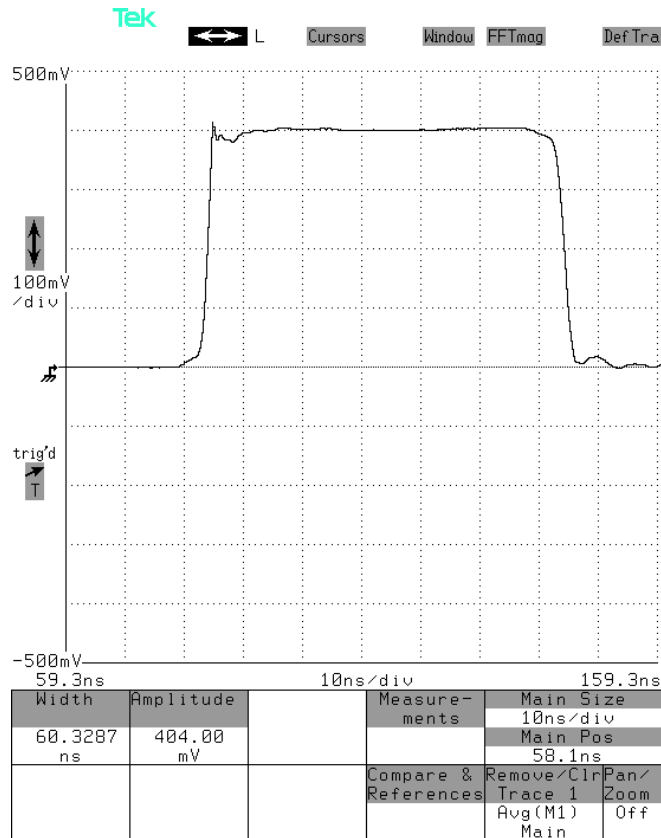
2 ns/div. 2 V/div (20 mV/div × 40 dB):



Maximum Amplitude / Pulse Width Test

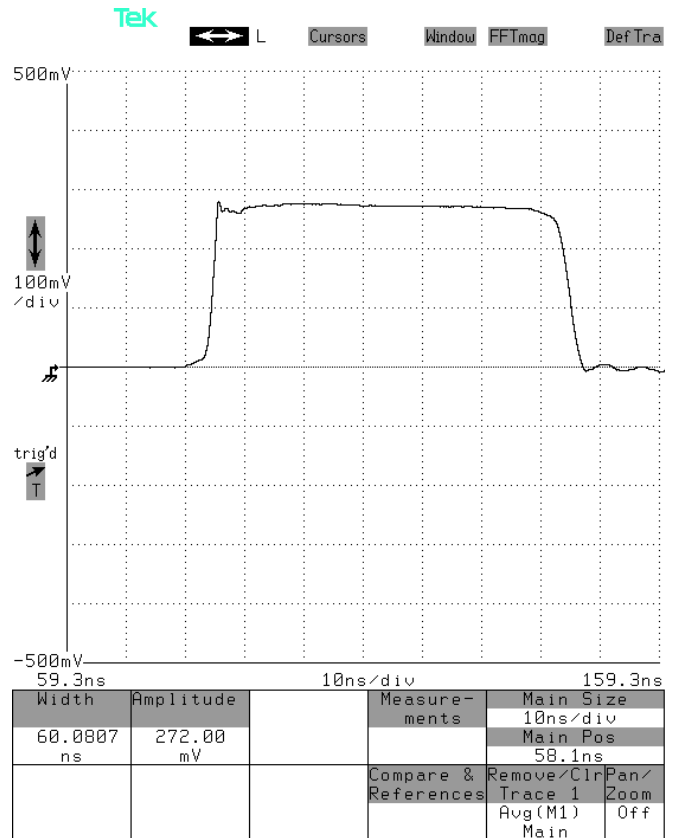
High-voltage input to AVX-CP-1 input 2, with input 1 terminated with 50 Ohms (from model AVIR-4-B with 10 dB attenuator),

10 ns/div. 10 V/div (100 mV/div × 40 dB):



Corresponding output of AVX-CP-1,

10 ns/div. 10 V/div (100 mV/div × 40 dB):



Two-Pulse Input Test

Output, with both of the previous input pulses applied simultaneously (except for a short delay):

5 ns/div. 5 V/div (50 mV/div × 40 dB):

