



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

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, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVX-CP-1  
Type: Pulse Combiner  
S.N.: 13951  
Date: May 29, 2020

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

Basic specifications: →

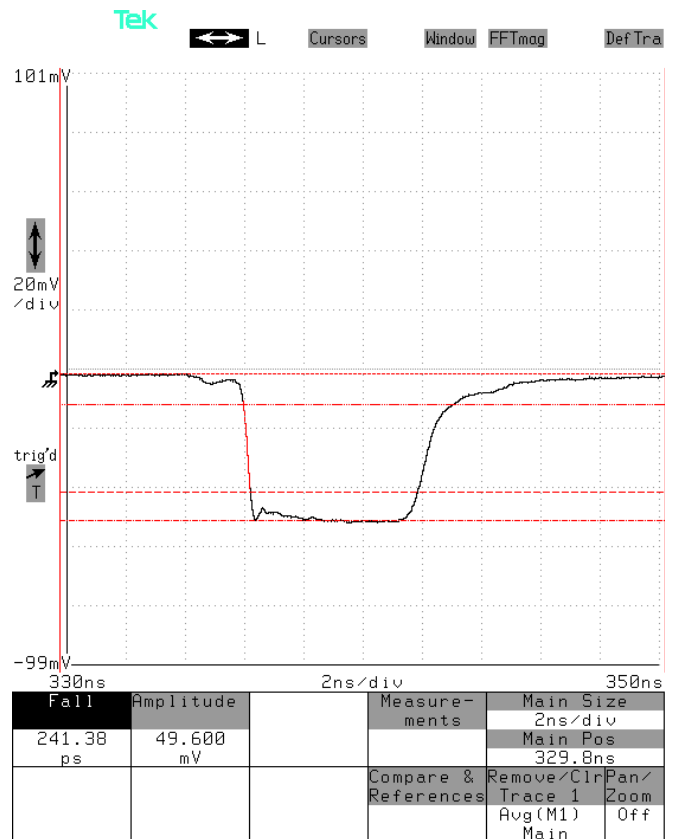
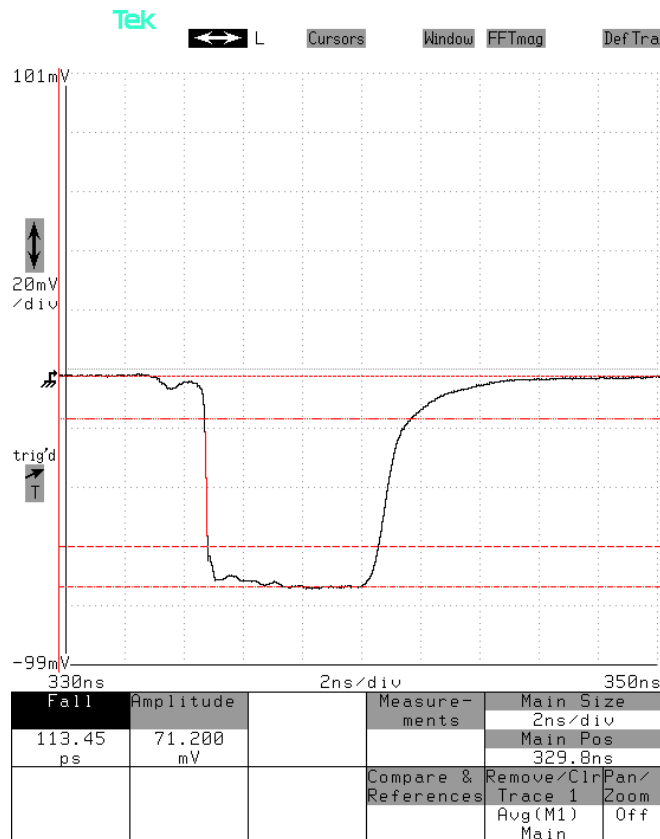
Rise-Time Test

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,

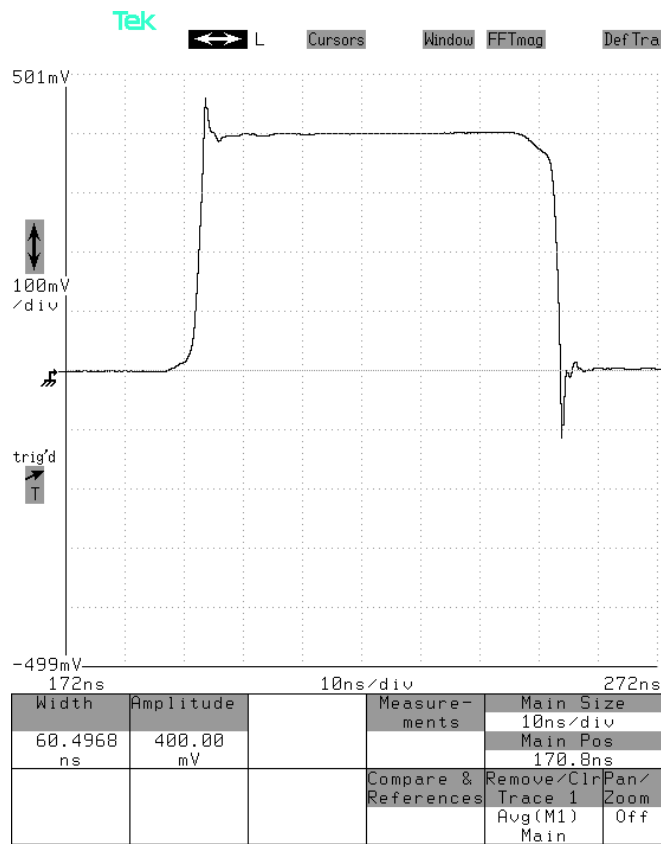
2 ns/div. 2 V/div (20 mV/div × 40 dB):



## Maximum Amplitude / Pulse Width Test

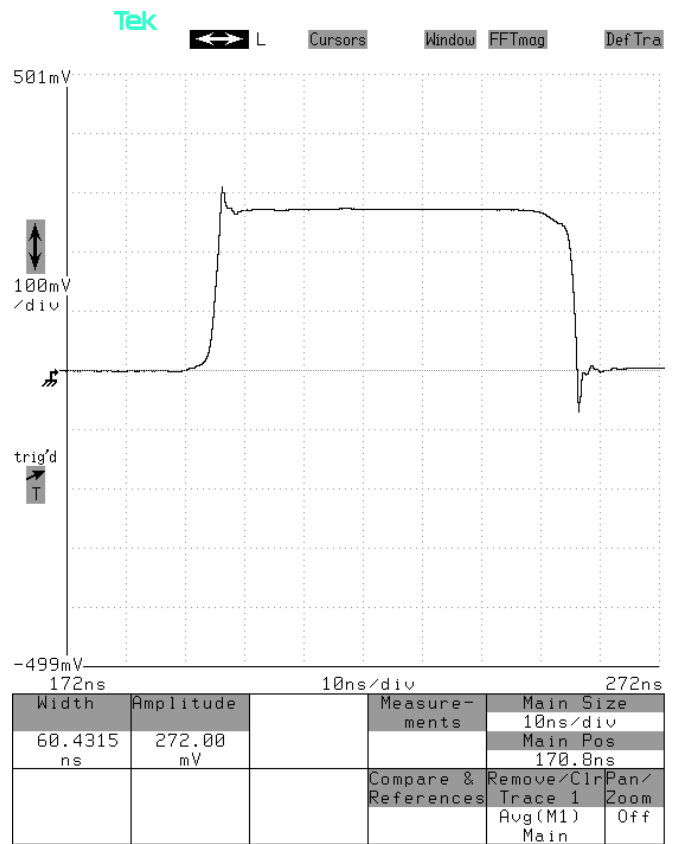
High-voltage input to AVX-CP-1 input 2, with input 1 terminated with 50 Ohms,

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):

