



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)

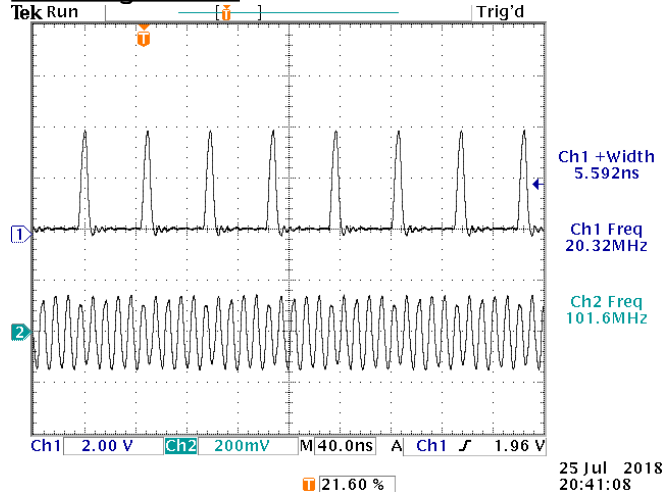
BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

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

PERFORMANCE CHECKSHEET

Model: AVX-FD2-PS-EP-IP-XN  
Type: Frequency Divider  
S.N.: 13766  
Date: July 26, 2018

Small Signal Test



Top: OUT, ÷ 5, 50Ω load. 2 V/div.  
Bottom: 100 MHz sine wave in. 200 mV/div.  
Both: IP 50Ω mode, 40 ns/div.

a) Output Signal Amplitude: TTL,  $R_L \geq 50\Omega$

b) Pulse Width: < 6.5 ns - 5 us

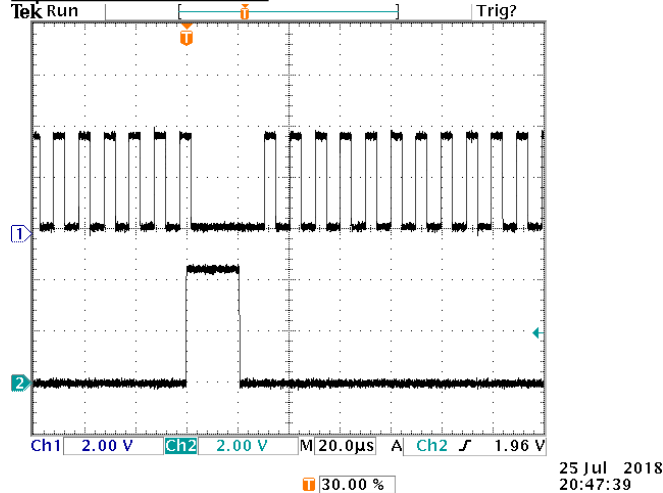
c) Division Factor: 0 to 65535

d) Maximum PRF: 250 MHz in, 50 MHz out

e) Jitter, Stability: OK

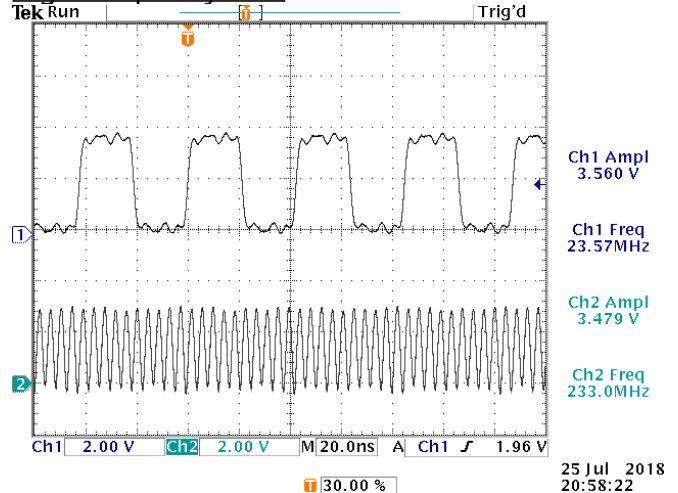
f) Prime Power: 100-240V AC, 50-60 Hz.

Operate/Reset Test



Top: OUT, ÷ 1000,  $f_{IN} = 100$  MHz.  
Bottom: RESET input.  
Both: TTL 50Ω mode, 2V/div, 20 us/div.

High Frequency Test



Top: NOT-OUT, ÷ 10, 50Ω load.  
Bottom: 233 MHz TTL in.  
Both: TTL 50Ω mode, 2 V/div, 20 ns/div.