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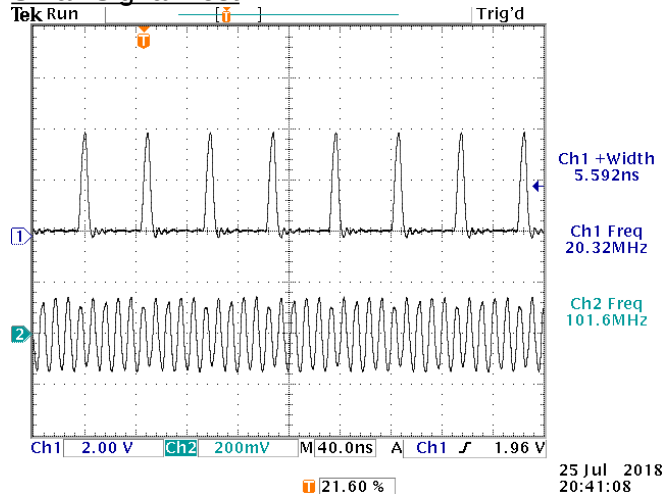
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

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

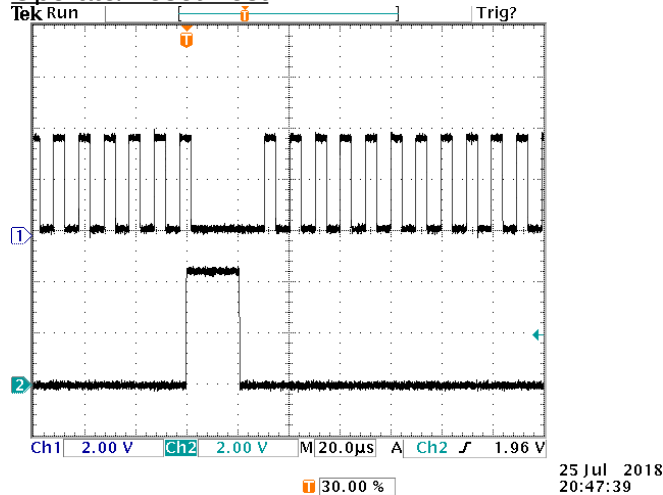
c) Division Factor: 0 to 65535

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

e) Jitter, Stability: OK

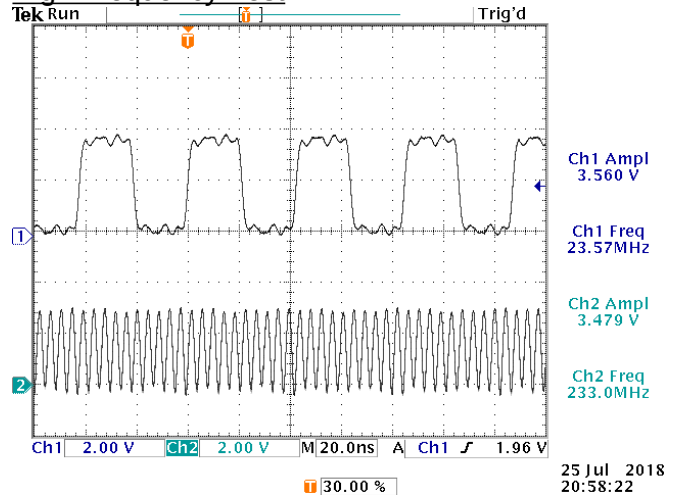
f) Prime Power: 100-240V AC, 50-60 Hz.

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.