

Programmable Pockels Cell Driver PSP1

Nominal Spec.

-3.5kV into 50 Ω , ~200ps to 10ns adjustable in ~25ps steps.

Output voltage adjustable down to ~ 2.5kV

Rep. Rate to be determined, aim at >100Hz.

Control via front panel/RS232/Ethernet

19" rack mount/desktop unit.

Separate terminator/monitor available.

Prototype data.[J0710241]

Post pulse shape has since been improved but the spike at ~1ns will not go away, it can be moved. Few pockels cells are fast enough to be able to respond to it.

Similarly for the ripple on the leading edge.





