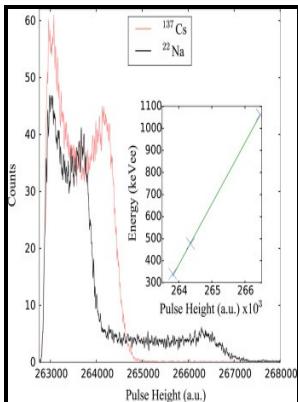


# Investigations on pulse shaping using a distributed circuit technology.

## The Author] - Pulse



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## FPGA Implementation of High Speed Pulse Shaping Filter for SDR Applications

In contrast, normalizing to the pumped Si in figure b shows significant change in transmission from 84% to 61% at resonance, while the transmission away from resonance does not change with increasing the THz field from 0.

## US6658053B1

The pnp transistor 33 is a pull-up transistor in a common emitter configuration that receives the pull-up signals at its base 34. In the past, relatively short 240 fs pulse durations. ZnSe is another wide bandgap semiconductor crystal that has been intensively studied.

## Pulse shaping

Moreover, a change in the sign of the transient reflectivity is induced by increasing temperature above T C. As a consequence, the maximum THz efficiency is linearly proportional to the carrier mobility. For this reason, the thickness of the EO crystal should be chosen properly.

## [PDF] A Low

Amplification of ultrashort solitons in erbium-doped fiber amplifiers.

## Plasmonic slot waveguide circuits for pulse shaping

The pulse generator system is comprised of one or more pulse generators. Such THz spectroscopic techniques have a great advantage of being noninvasive. It time-interleaves multiple impulse generators, and uses distributed circuit techniques to combine generated wideband impulses.

## US6658053B1

Figure shows the THz field-induced transparency in graphene. The edge delay circuit 50 of FIG.

#### [PDF] A Low

The voltage for a given bit varies depending on the previously transmitted bits. Measurement results demonstrate the pulse shaping and interference suppression capabilities of DTFs.

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