

High voltage piezo driver RTM and its application

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Abstract content

A MicroTCA.4 (MTCA.4) compliant Piezo Driver (DRTM-PZT4) has been developed to drive piezoelectric-based actuators used in accelerator instrumentation applications. More specifically, it is used for synchronization of pulsed lasers, stabilization of fiber links, piezo based motor driver control and superconducting cavities fine tuning. This paper briefly presents the designed system requirements and discusses the main hardware components and their latest improvements. The results of the designed hardware usage for various application are summarized.

Summary

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