

Product Data Sheet

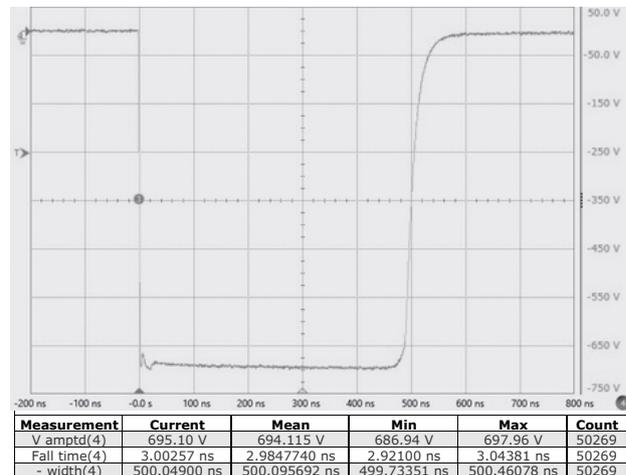
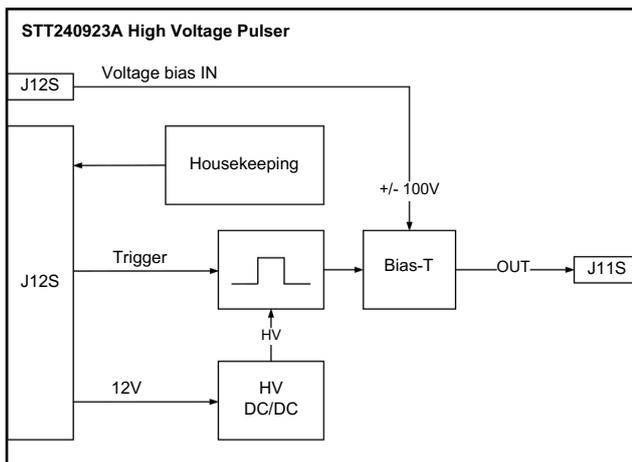
High Voltage Pulser (STT240923A)

Spaceflight Electronics

Version 2.1 | 2025

Product Description

The high voltage pulser module provides fast, precise pulses with rise times down to 3 ns and amplitudes up to 800 V. Designed for timing-critical applications, these units deliver reliable and stable performance in compact, space-qualified designs. Available with programmable pulse widths, low jitter, and radiation-tolerant options, they are ideal for scientific and aerospace instrumentation requiring ion, electron or optical beam control.



Product Features

- Pulser bias voltage from -100 V to +100 V
- HV pulse amplitude up to 800 V
- Pulse rise or fall time < 3 ns
- Pulse width > 500 ns

Typical Applications

- Time-of-Flight Mass Spectrometers (TOF-MS) extraction and gating
- Pulsed ion or electron sources
- Particle detectors
- Pulsed power systems in space and research labs
- Electrostatic actuation and beam steering
- Electro-optical systems

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