BitWise LABORATORIES, INC
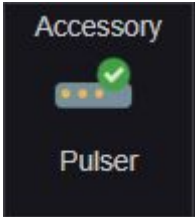
STEPScope™ Remote Pulser Accessory (SSRPULSA)

BitWise Laboratories STEPScope™ Remote Pulser Accessory

Key Features

- Remote pulser for use with STEPScope™ analyzer TDT and S21 measurements
- Fast edge rate - 18 psec 10/90
- Large amplitude - up to 700 mV each leg
- Individual leg (+/-) enables
- Supports higher frequency TDT and S21 measurements
- Programmable pulser rate
- Hot-pluggable ProbePower™ accessory for BitWise Laboratories STEPScope™ which provides user interface and automation control
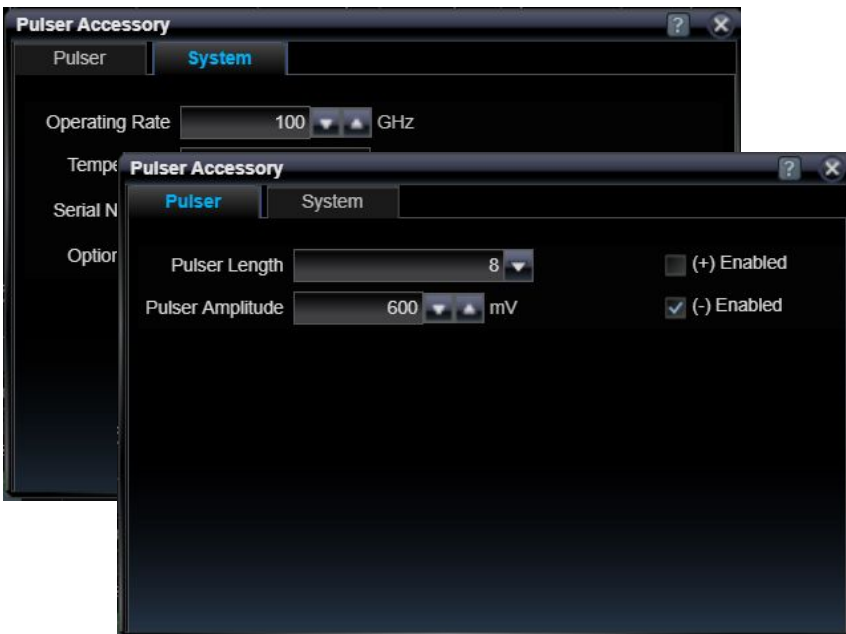
Applications

- Cable RF testing
- PCB Coupon testing
- Trace Insertion Loss (S21)

BitWise Laboratories STEPScope™ Remote Pulser Accessory operates in conjunction with the BitWise Laboratories STEPScope™ (STEPSCOPEA) analyzer. It provides for measurements of Insertion Loss (S21) without the need for a second STEPScope™ to act as a pulsing source. The remote form-factor and compact size enables it to be placed close to the DUT to reduce the amount of cabling required. Fast edges and large amplitudes mean more energy content at high-frequencies which translates to better high frequency measurements. Each output can be enabled separately to perform single-ended and differential measurements.

The Remote Pulser Accessory receives power and control over its ProbePower™ interface by connecting it to a STEPScope™ analyzer which also provides a required pulse trigger signal.

The STEPScope™ Remote Pulser Accessory is used in conjunction with a STEPScope™ analyzer (STEPSCOPEA) to make Insertion loss (S21) measurements

Once the ProbePower™ *connection is made to the Remote Pulser Accessory, the host automatically recognize it, retrieves its calibration information, and incorporates it into the analyzer's user interface and automation control*

User interface to Remote Pulser Accessory features is provided by the host analyzer.

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STEPScope™ Remote Pulser (SSRPULSV1)

Performance (PRELIMINARY)

PULSER Output	50 Ohm, DC coupled, 2.92 mm Female, Differential, Individual leg (+/-) enable, 200 to 500 mV PP SE Individual LEDs indicate leg enabled
TRIGGER Input	50 Ohm, AC coupled, SMA Female, 2.5 GHz Trigger required (from STEPScope™)
Pulser Rate	Selectable from 78 MHz, 39 Mhz, 19 MHz, 9.7 Mhz, and 4.88 MHz
ProbePower™ Interface	8-pin locking connector, control and power up to 12 watts
Power	3 Watts
Dimensions	2.25" x 3.4" x 0.8"

Warranty

Products from BitWise Laboratories. come with a one year limited warranty. BitWise Laboratories will repair or, at its option, replace any defective product returned to BitWise Laboratories within one year of the date of purchase. This warranty applies to defects that are not due to misuse, neglect, accident or by abnormal operating conditions. Contact us for return material authorization. An additional 2-year warranty extension is available at the time of purchase.
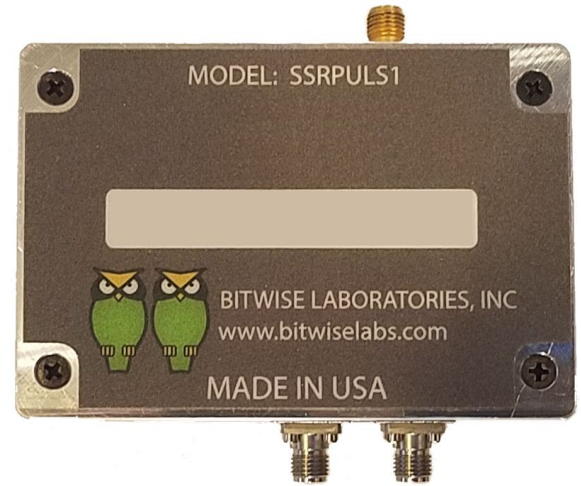
STEPScope™ Remote Pulser Accessory bottom view

Ordering Information

SSRPULSA	**Remote Pulser Accessory**
STEPSCOPEA	**STEPScope™ Analyzer**
WARRANTY2YR	**Additional 2 year warranty**

Send information requests to: sales@bitwiselabs.com

Company

BitWise Laboratories is located in California USA in the heart of Silicon Valley. Our founders have spent decades in Test & Measurement specializing in creating innovative tools that are easy to use and provide more diagnostic information for development and test engineering. The BitWise Laboratories line of products builds on this legacy and provides RF and PAM4 tools for today's communications engineering challenges. We provide compact and economical instruments that utilize world-class SiGe technology to achieve uncompromising performance. We provide innovative software with convenient multi-user web browser user interfaces for viewing and easy data download with complete remote control automation. And we listen to our customers to help us define the next generation of features that will make our tools even better.

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