

INSTRUCTIONS

MODEL AVX-S1-MV-SWSA BIAS INSERTION UNIT

S.N.: 9883

## WARRANTY

Avtech Electrosystems Ltd. warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If, within one year after delivery to the original owner, and after prepaid return by the original owner, this Avtech product is found to be defective, Avtech shall at its option repair or replace said defective item. This warranty does not apply to units which have been disassembled, modified or subjected to conditions exceeding the applicable specifications or ratings. This warranty is the extent of the obligation assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.

## TECHNICAL SUPPORT

Phone: 613-226-5772 or 1-800-265-6681

Fax: 613-226-2802 or 1-800-561-1970

E-mail: [info@avtechpulse.com](mailto:info@avtechpulse.com)

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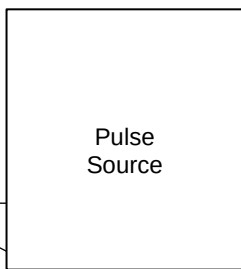
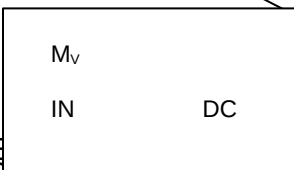
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50 Ohm Cable

FIG. 1: PULSE

ARRANG

0 to 5 Volts (from lab power supply)



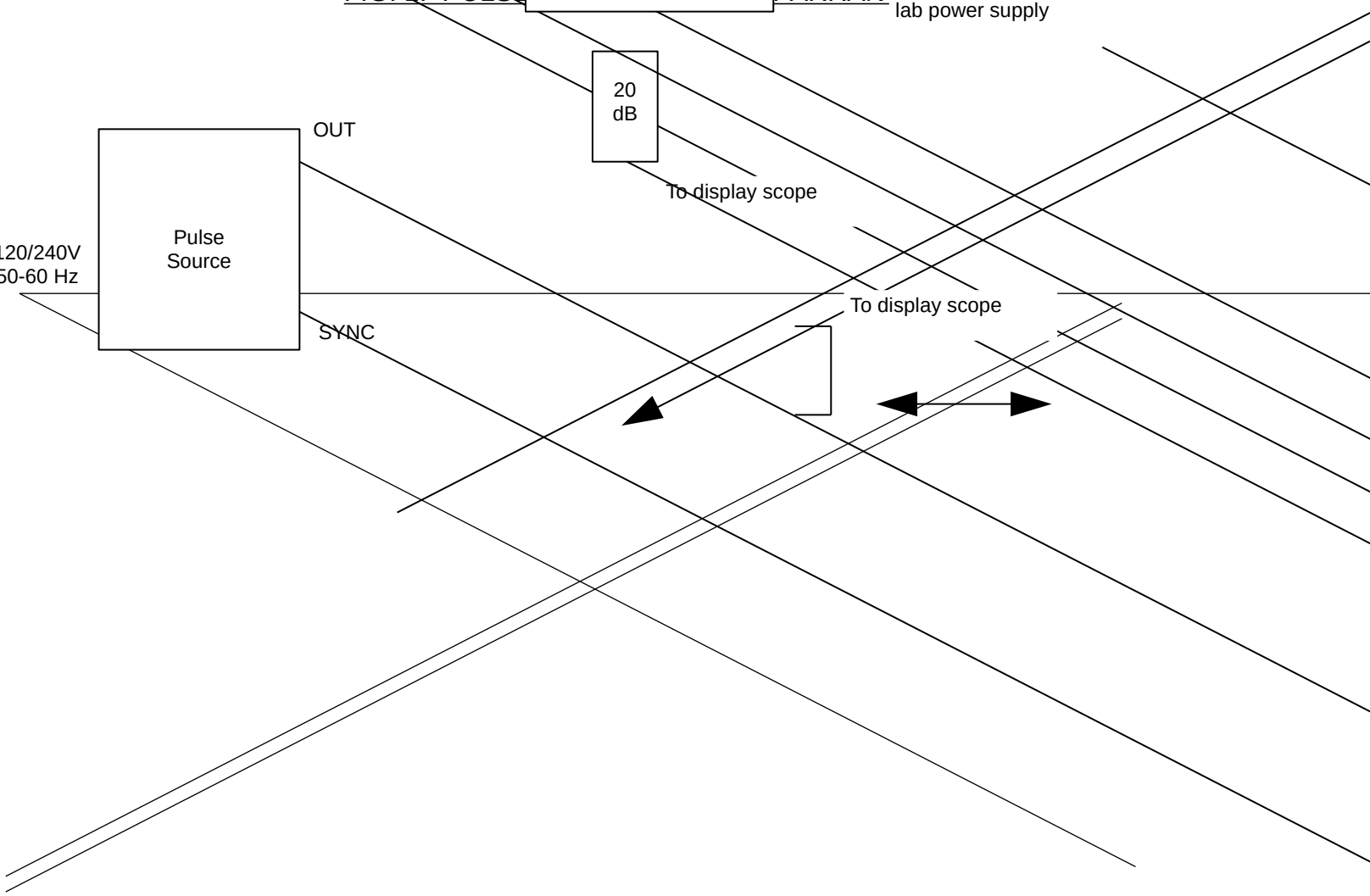
120/240V  
50-60 Hz

OUT

SYNC

To display scope

To display scope

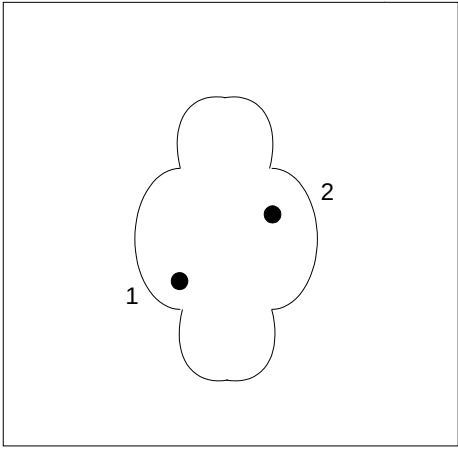
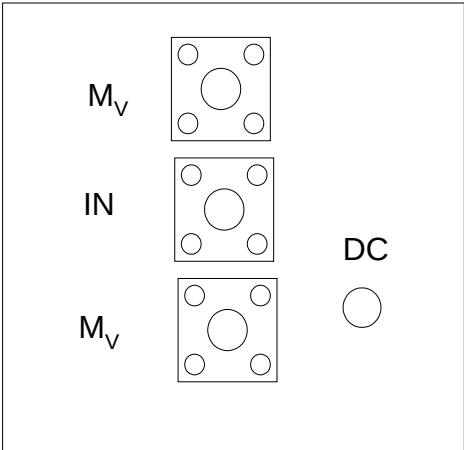
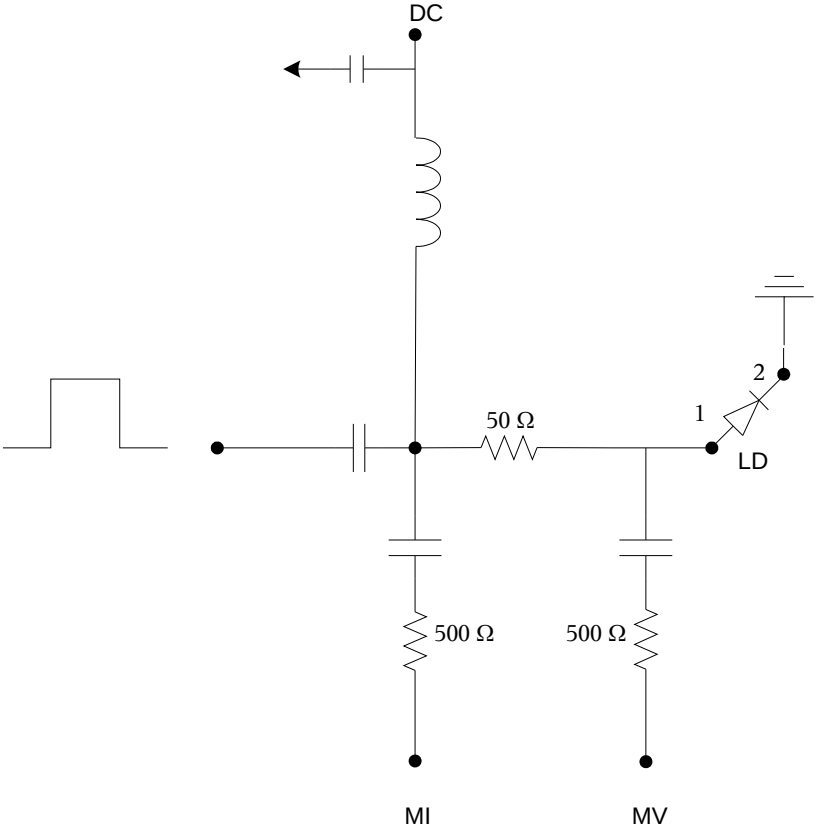


## GENERAL OPERATING INSTRUCTIONS

- 1) A general description of the AVX-S1 module is given in the enclosed data sheet.
- 2) The AVX-S1 module should be connected to your pulse source via a 50-Ohm cable (supplied).
- 3) The laser diode plugs directly into the socket on the side of the AVX-S1 module.
- 4) A DC bias may be applied to the laser diode by connecting a DC potential of 0 to 5 Volts to the DC solder terminal. This terminal must be shorted to ground if a forward bias is not required. CAUTION: If a forward bias is applied to the diode, the source must provide the necessary current limiting.
- 5) The laser diode voltage is given by the following:

$$V_D = 10 V_{MV}$$

AVX-S1-MV-SWSA FUNCTIONAL EQUIVALENT CIRCUIT



PACKAGE      1)      LD Anode  
                   2)      PD Anode

AVX-S SERIES DATA SHEET



## AVX-S SERIES SPECIFICATIONS

PERFORMANCE CHECK SHEET