

CONNECTING AVO-9A-C TO AVX-S1

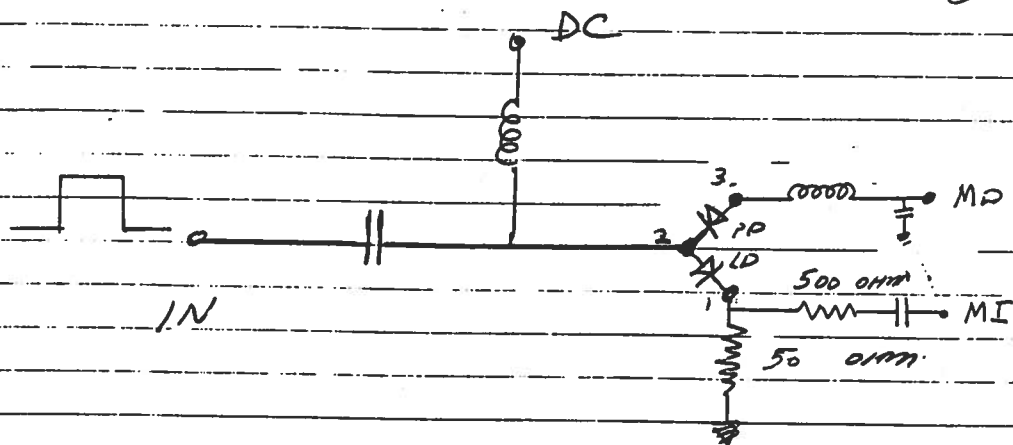
- 1) A general description of the AVX-S1 module is given in the enclosed data sheet.
- 2) The AVX-S1 module should be connected to the AVO-9A-C mainframe via the supplied 24" RG174 cable. The diode current may be monitored by connecting the MI output port to the sampling scope via a 20 dB attenuator (MI option units only). The output amplitude (V_{MI} , Volts) and diode current (I_D , Amp) are related as follows:

$$I_D = 0.2 V_{MI}$$

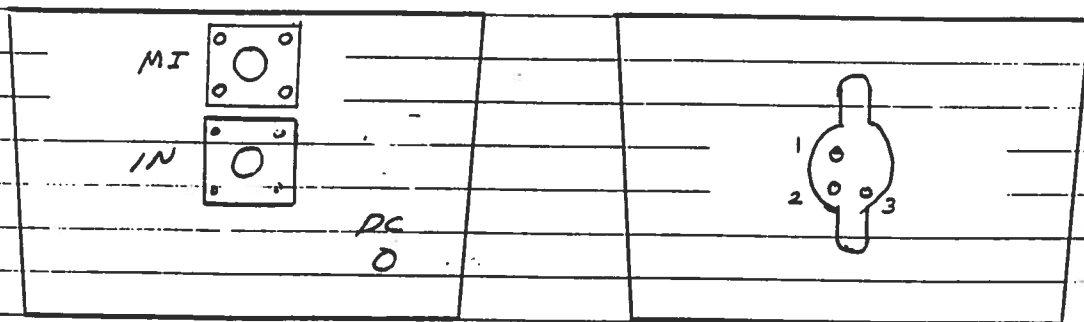
- 3) The laser diode plugs directly into the socket on the side of the AVX-S1 module.
- 4) A forward DC bias may be applied to the laser diode by connecting a DC potential of 0 to -5 Volts to the DC solder terminal. The application of a small forward bias often yields a more ideal diode current waveform (as observed on the MI port). Note that the DC port must be shorted to ground if a bias is not applied.

MR-51

S.N. 8048
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FUNCTIONAL EQUIV. C.T.



PACKAGE