

INSTRUCTIONS

MODEL AVX-S3A-M1-LA1A BIAS INSERTION UNIT

S.N. :

## GENERAL OPERATING INSTRUCTIONS

- 1) Gently insert the anode lead of the OP-3 package into the 10-32 threaded opening of the AVX-S3A unit and contact the pin socket which is located about 1 centimeter into the 10-32 opening. Push the anode lead into the socket until the 10-32 threads on the package contact the body of the AVX-S3A unit. Then screw the package into the threads using finger force only. Note that the above operation is much easier if the anode lead is very straight.
- 2) The DC terminal of the bias insertion must be shorted to ground (if a DC offset is not required) or a DC power supply must be applied. The laser diode may not function if the DC terminal is open circuited. Note that the DC current must not exceed  $\square$  100mA.
- 3) The MI port must be terminated into 50 Ohms.
- 4) The diode current  $I_D$  (Amps) and the MI output voltage ( $V_{MI}$ , Volts) are related as follows:

$$I_D = V_{MI}$$