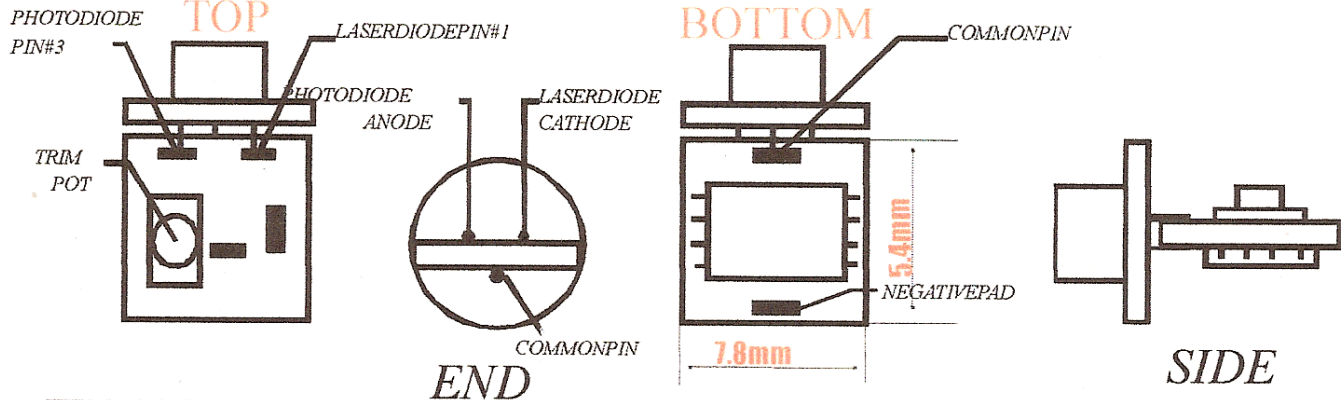
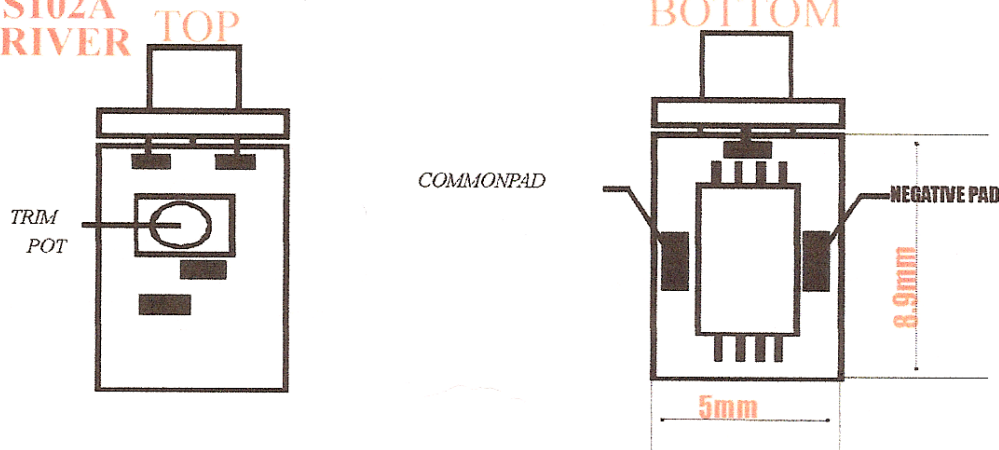


INSTRUCTIONS FOR CONNECTING THE NS102 AND NS102A DRIVER CIRCUITS

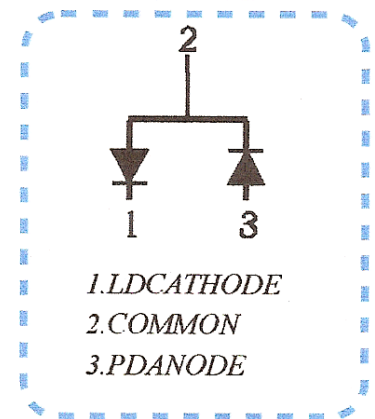
NS102 DRIVER



NS102A DRIVER



PIN OUT DIAGRAM



1. Clip laser diode pins to desired length.
2. Crimp diode into 5.6-9mm threaded adapter by using a screwdriver or another flat object to fold over the shoulder of the collet or press the diode into the 6.4mm barrel.
3. With the single (common) pin down and the #1 and # pins up, insert the NS102 or NS102A driver board between the diode pins. Be sure the board is centered left and right with the diode base. (See figure 1)
4. Solder all 3 diode pins to their respective solder pads.
5. On bottom side of board solder one wire to the common pin (This will be the positive wire). Solder a black wire to the negative pad (This will be the negative wire). NOTE: THE CASE IS POSITIVE ON THE DIODE / MODULE.
6. With trim pot side of board up, connect power (+3vDC) to the positive wire and connect the ground wire to the black wire.
7. In order to set mW output, direct the laser beam into the optical output meter head (be sure to get the highest reading possible) and adjust power using a small phillips head screw driver. Be sure to set the power meter to the correct nanometer band. Turn the trim pot very slowly in the counter-clock wiser direction to raise the output power to desired level. Do not exceed the rated limit of the diode.