

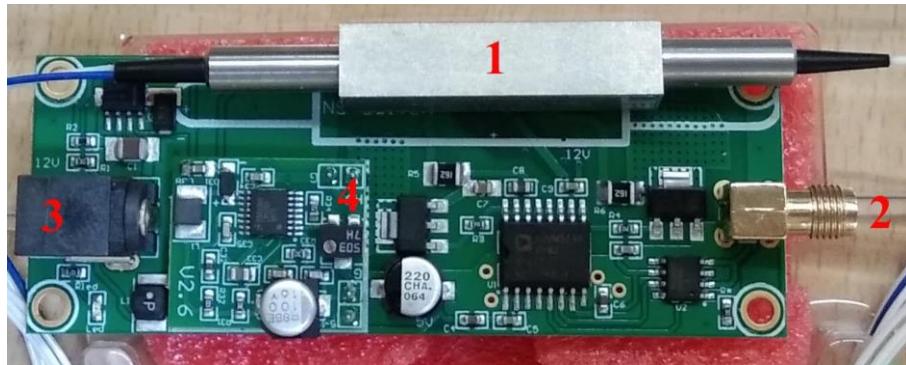
Vpi Adjustment For NanoSpeed Fiber Optical Switch

Vpi of an Electro-Optical Device

The electro-optical device operates at the highest on/off ratio when the voltage is applied to the device's Vpi. Vpi is usually set at the optimum at the factory at room temperature and fixed frequency/wavelength. Sometimes, the Vpi changes at the customer site. Below are the instructions for readjusting the Vpi.

Definition of Pins and Ports:

The picture shown here is a typical Agiltron NanoSpeed switch mounted on the driver board.



1. Optical switch
2. Control signal, 0-5V DC or square wave up to 100KHz
3. 12V power jack
4. POT to adjust half wave voltage Vpi

Setup procedure:

1. Connect fiber input to a light source.
2. Connect control signal to SMA connector. 0-5 V DC-100KHz square wave.
3. Connect the provided wall pluggable 12 V power supply to the unit.
4. For on/off operation, 0-5V DC signal to SMA connector.
5. For high-frequency operation, input a 0-5V (>2.5V) square wave to the SMA connector port.
6. Adjust the potentiometer on board to get maximum cross-talk/on-off if needed.

Warning:

Don't touch the driving board during operation to avoid unpleasant electric shock.