

# Optical Power Regulator Manual

(Low Output Optical Power Version<1W)

1/24/2022

## 1. Introduction

The NOPR nano-second speed VOA and a tap PD monitor automatically lock optical power output to a constant set value. The output power level has an adjustable range for customers to vary and set the value. Below is an instruction on how to do it.



## 2. Operating

- 2.1 For the module with a metal box, open the lid first. Then, connect input fiber and output fiber. Input fiber is white on the left shown in the picture; output fiber is on the right side.
- 2.2 Plug in 12V power adaptor comes with the device. Use the power cord packed in the package connected to the driver board or the module.
- 2.3 The LED on board is on when power is provided.

- 2.4 The default output power was pre-set at the factory per customer requirement. Change the pot VR2 for a different out power setting. The resistor pot is fragile that is intended for a few adjustments only.
- 2.5 Unplug DC 12V power adaptor to turn off the unit.

### 3. Optical Specification

| Parameters                  | Min | Typical | Max | Unit |
|-----------------------------|-----|---------|-----|------|
| Operating wavelength range  |     |         |     | nm   |
| Insertion Loss              |     |         |     | dB   |
| Polarization Dependent Loss |     |         |     | dB   |
| Operating Temperature       | -5  |         | 70  | °C   |
| Storage Temperature         | -40 |         | 85  | °C   |
| Operating Optical Power     |     |         |     | W    |
| Factory Output Setting      |     |         |     | dBm  |

**Part Name:** \_\_\_\_\_

**Part No.:** \_\_\_\_\_

**Serial No.:** \_\_\_\_\_

**Tested by:** \_\_\_\_\_

**QA:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Don't touch the driving board during operation to avoid high voltage electric shock or static damage to the chips.