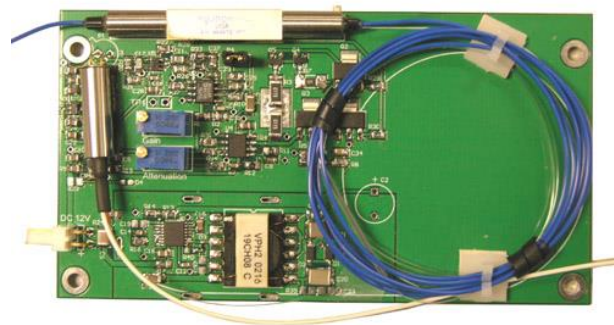


## Optical Power Regulator

### Product Description

The optical power regulator is a module that maintains a constant output power, regardless of the input fluctuations. This is achieved by using a detector to tap a small amount of light from the output and feed into a close-loop circuit to control a MEMS variable fiber optical attenuator connected between light input and output. The regulation output power range is set by the two pots on the board and can be preset according to customer spec. The module can also compensate slow polarization dependent loss changes and fast optical power surges. The optical power regulator provides an ultimate solution for optical power stabilizing and limiting. device is designed for over 20 years continuous operation. The unit comes with a wall-plug 12V power supply.



### Performance Specifications

MOPR	Min	Typical	Max	Unit
Wavelength	400		1800	nm
Insertion Loss <sup>1</sup>		0.5	1	dB
Dynamic Range	18	25	30	dB
Return Loss	45	50		dB
Response Time			5	ms
Power Adjustment Resolution		Continuous		dB
Optical Power Handling (CW)		300	500	mW
Operating Temperature <sup>2</sup>		-5 ~ 70		°C
Storage Temperature		-40 ~ 85		°C

1. Excluding connectors.

2. Extended operation temperature is available

### Features

- High Reliability
- High Precision

### Applications

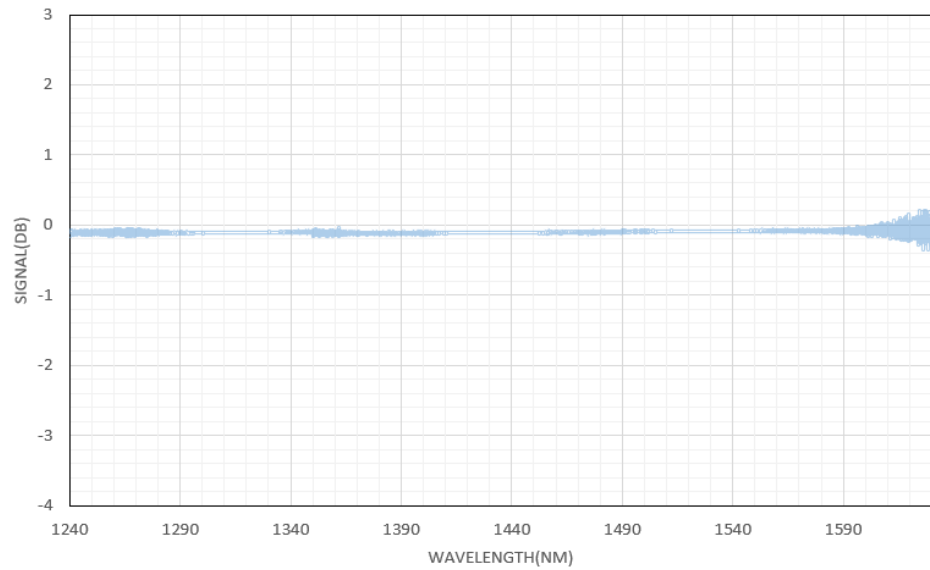
- Laser Power Regulation
- Surge Power Prevention
- Power Balance
- Instrumentation

Revised on 01/17/23

## Optical Power Regulator

### Typical Insertion Loss vs Wavelength (1240-1630nm)

1x2 MEMS Switch



### Ordering Information

Prefix	1 1	<input type="checkbox"/>	1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prefix	Type	Wavelength	State	Package	Fiber Type	Fiber Cover	Fiber Length	Connector
MOPR-		1060=1 2000=2 1310=3 1480=4 1550=5 1625=6 780=7 850=8 650=E 550=F 400=G 1565-1620=L Special=0			SMF-28=1 50 mm=4 60 mm=6 HI1060=2 HI780=3 PM1550=5 PM850=8 PM980=9 Special=0	Bare fiber =1 900um tube=3 Special=0	0.25m= 1 0.5m = 2 1.0 m= 3 Special =0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0

\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.