

## Single Channel Precision Wavelength Locker

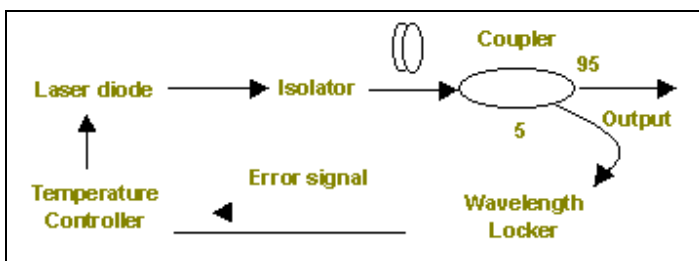
Single Channel Precision Wavelength Locker (**SWL**) can lock the wavelength of laser diode to the ITU-T grid in DWDM systems. It employs a high performance interference filter as a wavelength standard. The error single between this criteria and the lasing wavelength can be used in a feedback loop to stabilize the laser diode wavelength. The locking accuracy is as high as +/- 2.5GHz.

### Features of our SWL:

- ± 2.5GHz Locking Accuracy
- Built in Coupler
- Built in Light Intensity Monitoring

### Applications for our SWL:

- Dense WDM system
- Optic loop network
- Fiber optic instruments and sensors



### Specifications:

Coupling Ratio of Inside Coupler	%	95/5
Central Wavelength	nm	ITU-T Grid
Central Wavelength Tolerance	nm	$\leq \pm 0.02$
Wavelength Locking Accuracy	GHz	$\leq \pm 2.5 ( \pm 0.02\text{nm} )$
Wavelength Capture Range	nm	$1\text{c} \pm 0.3$
Responsibility	V/nm	$\geq 10$
Input Optical Power	dBm	-9 ~ +6
Wavelength Thermal Stability	nm	$\leq 0.02$

Return Loss	dB	$\geq 55$
Light Intensity Responsibility	V/nm	$\geq 1$
Light Intensity Responsibility Tolerance	%	$< 4$
Applied Voltage	V	$\pm 5, \pm 15$
Operating Current	mA	$\leq 40$
Operation Temperature	°C	0 ~ 60
Storage Temperature	°C	-40 ~ +85

**Ordering information:**

- Connectors: FC/UPC, FC/APC, SC/UPC, or SC/APC
- Pigtail: Diam. 0.9mm
- Wavelength: ITU-T Grid

**We have unbeatable price for this product.**

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)