

# Aria-F

## Mode-locked All PM-fiber Femtosecond Oscillator

### FEATURES

- All PM-fiber oscillator
- Bandwidth up to 10 nm
- Capable of compress pulse down to 100 fs
- Hand-free operation, fully automated
- $\pm 10^{\circ}\text{C}$  operating environment
- Ideal for ultrafast amplifier seeding
- Super reliability for industrial application

### APPLICATIONS

- Ultrafast laser amplifier seeding
- Harmonic generation
- THz generation



Aria-F series are SHG mode-locked Er-doped fiber laser oscillators. They are completely formed by environmental-insensitive PM-fiber components and feature hands-free operation in an industrial environment with wide operation temperature range. It is the first choice for ultrafast laser amplifier seeding in industrial environments, such as UpTek Solutions Corp's Phidia and Phidia-C series.

	Aria-F-790	Aria-F-1560
Output Power	>10mW	>15mW
Repetition Rate	40MHz $\pm$ 5MHz	40MHz $\pm$ 5MHz
Center Wavelength	790nm $\pm$ 10nm	1560nm $\pm$ 10nm
Typical Spectrum Width	> 10nm	> 10nm
Tunable Range	N/A	N/A
Spatial Mode	TEM <sub>00</sub> M <sup>2</sup> <1.1	TEM <sub>00</sub> M <sup>2</sup> <1.2
Power Stability	< $\pm$ 1.5 %	< $\pm$ 1.0 %
Noise	< 2% RMS	< 1% RMS
Polarization	Linear, Horizontal	Linear, Horizontal
Dimension (Laser head)	7"L x 6"W x 3"H	7"L x 6"W x 3"H