

# High Power FP Laser for Sensing

## 640-905nm

High-reliability & High-quality CW / High-power nanosecond pulsed Laser

- CW or high-power ns pulsed operation for measurement & sensing applications
- Simple control of output power with monitor photodiode (APC operation)
- Guaranteed reliability in high-power ns pulsed operation for long-distance sensing
- Wavelength tolerance, one-by-one data & small MOQ of your choice

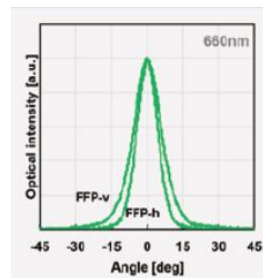


### Application examples

- Particle Counter
- Leveler
- Machine Vision
- LiDAR
- Biomedical Equipment
- Color Projector
- Visible Light Communication

### Key Features

- CW or high-power ns pulsed operation (500mW to 1W)
- High peak output power under laser class 1 (for long-distance LiDAR)
- **Providing with reliability data under ns pulsed operation**
- High reliability under high-power ns pulsed operation by facet protecting structure
- Gaussian beam profile for easy beam shaping/alignment
- TO56 with monitor PD for automatic power control
- Anode/Cathode common pin configuration available
- Wavelength tolerance, one-by-one data & small MOQ of your choice



### Specification

- Wavelength: 640, 650, 660, 685, 785, 830, 905nm
- Output Power: 30-210mW (CW), 500mW-1W (ns pulsed operation\*)
- \* Output Power depends on operating conditions & wavelengths.

## Specification/Product Lineup

Wavelength (nm)	Output Power (mW)		Operating Temperature (°C)	Model Number
	CW	ns pulsed operation*		
640	30	-	-10 ~ 50	QLF063x-4030T50
	80		-10 ~ 30	QLF063x-4080T30
650	180	-	-10 ~ 55	QLF063M-50A8**
660	50	> 500	-10 ~ 60	QLF063x-AA
	100			QLF063x
	120			QLF063x-P120
685	100	-	-10 ~ 70	QLF063x-85A0
785	100	> 500	-10 ~ 70	QLF073x
830	210	> 1000	-10 ~ 70	QLF083x
905	100	-	-10 ~ 70	QLF093x-05A0

\*Contact us with your desired operating condition.

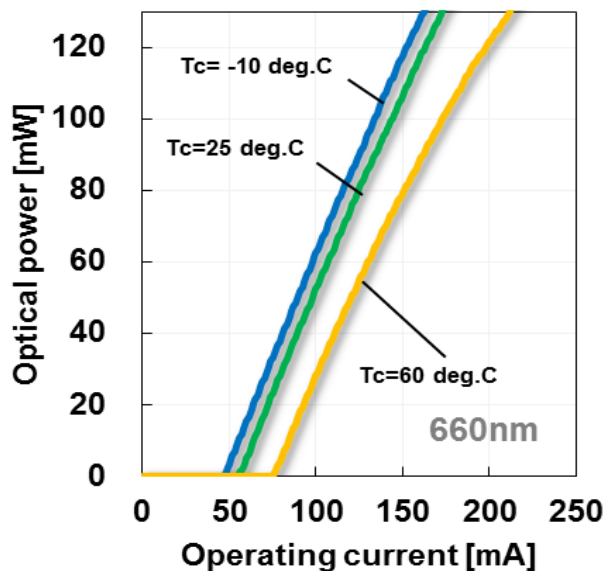
\*\*2pin, without monitor PD

x=A: Anode common

x=D: Cathode common

### L-I Curve (660nm)

#### ● CW



#### ● 3ns pulse, 100kHz (Duty 0.03%)

