

High Power FP Laser for Sensing

640-940nm

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

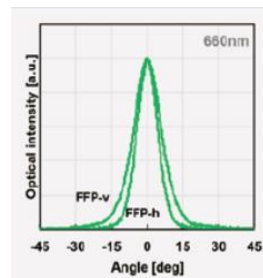


Application examples

- 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, 660, 685, 785, 830, 905, 940nm
- Output Power: 30-250mW (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 QLF063x-4080T30
	80			
660	50	> 500	-10 ~ 60	QLF063x-AA QLF063x QLF063x-P120
	100			
	120			
685	100	-	-10 ~ 70	QLF063x-85A0
785	100	> 500	-10 ~ 70	QLF073x
830	210	> 1000	-10 ~ 70	QLF083x
905	100	-	-10 ~ 70	QLF093x-05A0
940	250*	-	-10 ~ 65	QLF093x-40B5M

* Multi-transverse mode

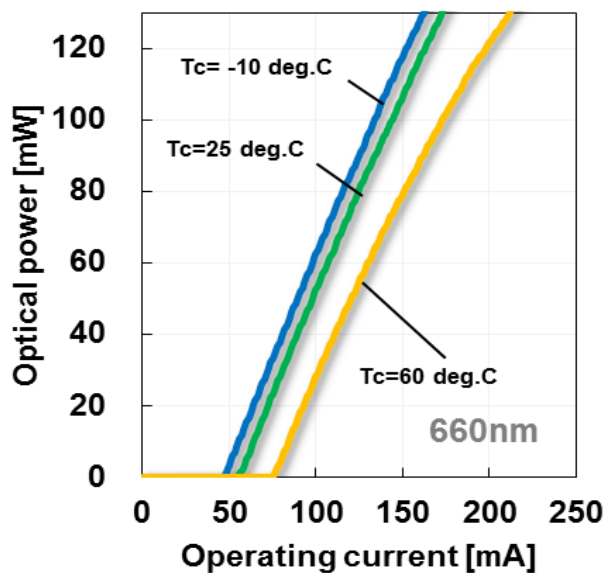
** Contact us with your desired operating condition.

x=A: Anode common

x=D: Cathode common

L-I Curve (660nm)

● CW



● 3ns pulse, 100kHz (Duty 0.03%)

