

High Power Laser for Sensing

640-940nm



Highly reliable, high-quality CW/high power nanosecond pulsed laser

- CW to high power nanosecond pulse for various sensing applications
- Integrated monitor PD for downsizing your equipment
- Guaranteed reliability even with high power nanosecond pulse for enabling long-distance sensing
- Wavelength tolerance, one by one data, and small MOQ of your choice

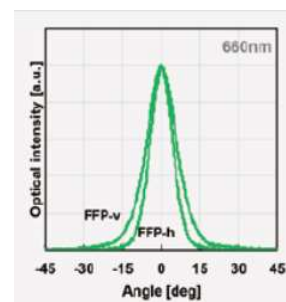
Application examples

- Particle counter
- Leveler
- Machine Vision
- LiDAR
- Biomedical equipment
- Color Projector
- Visible Light Communication



Key Features

- CW to high power nanosecond pulsed operation
- High reliability under high power nanosecond pulsed operation by facet protecting structure
- Proven reliability under nanosecond pulsed operation
- 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, and small MOQ of your choice



Specification

- Wavelength: 640, 660, 685, 785, 830, 905, 940nm
- Output Power: 30-250mW



Specification/Product Lineup

Wavelength (nm)	Output Power (mW)	Operating Temperature (°C)	Model Number
640	30 80	-10 ~ 50 -10 ~ 30	QLF063x-4030T50 QLF063x-4080T30
660	50 100 120	-10 ~ 60	QLF063x-AA QLF063x QLF063x-P120
685	100	-10 ~ 70	QLF063x-85A0
785	100	-10 ~ 70	QLF073x
830	210	-10 ~ 70	QLF083x
905	100	-10 ~ 70	QLF093x-05A0
940	250*	-10 ~ 65	QLF093x-40B5M

*Multi-transverse mode

x=A: Anode common
x=D: Cathode common

TO-CAN Package



L-I Curve

