

LKG

532 - 561 nm DPSS Lasers



DESCRIPTION

Power Technology's LKG series of DPSS lasers deliver wavelengths of green and yellow light for a variety of applications. Ranging from 532 nm to 561 nm and 5 mW to 350 mW, these lasers offer options with excellent wavelength stability and accuracy for applications such as Raman spectroscopy and inspection.

The platform features an onboard microprocessor allowing for advanced user control and monitoring, as well as a precision current source and ultra-stable temperature control.

LKG brings more cost-effective options for DPSS-based laser light to the expanding Power Technology portfolio. In addition, Power Technology provides custom design and manufacturing services that include high- and low-volume production, custom engineering, and customized connectors.

APPLICATIONS

- Raman Spectroscopy
- Microscopy
- Fluorescence
- Inspection

FEATURES & BENEFIT

- 532 nm to 561 nm Wavelengths
- Continuous Wave Output
- Onboard Microprocessor
- Cost-effective

SPECIFICATIONS

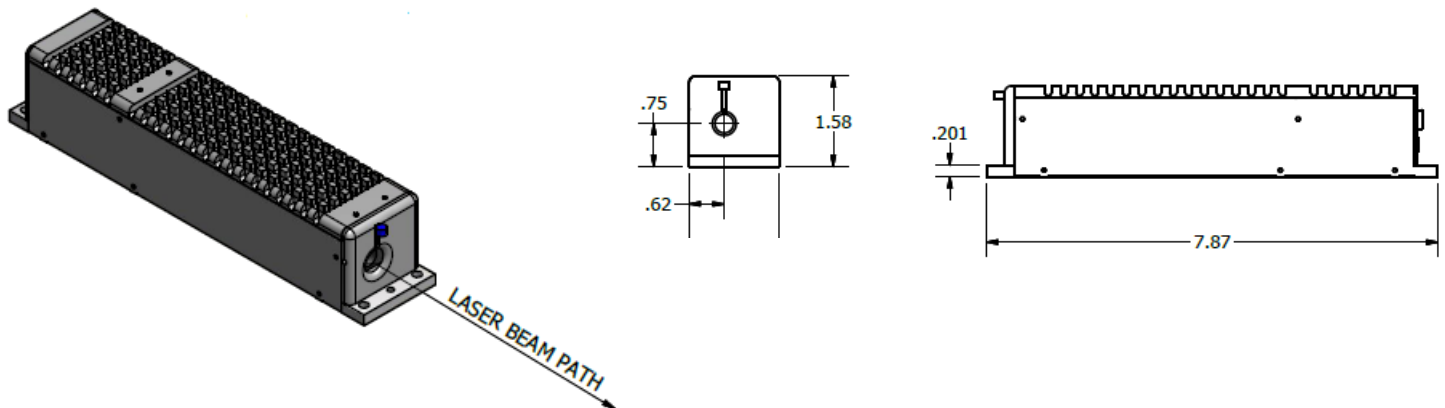
Part Number	B660	B661	B662	B663	B664	B665	B666	B667
Output Power (mW)	50	100	200	5	50	150	350	50
Wavelength (nm)	532	532	532	545	555	555	555	561
Tolerance (nm)	+/-2.0	+/-2.0	+/-2.0	+/-2.0	+/-6.0	+/-6.0	+/-2.0	+/-2.0
Divergence (mrad)	6.0 ***	6.0 ***	6.0	1.0	30	30	40	30
Beam Diameter (mm)	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
Polarization Ratio	100:1	100:1	100:1	100:1	100:1	100:1	100:1	100:1
Output Power Mode	CW	CW	CW	CW	CW	CW	CW	CW
Op. Voltage (VDC)	5.0	5.0	5.0	5.0	5.0	5.0 **	5.0 **	5.0
Op. Current (A)	3.0	3.0	3.0	1.5	4.0	9.0	9.0	4.0
Typ. M ² Value	1.1	1.1	1.1	1.2-1.3	15	15	15	15
Dimensions (mm)	40x40x200	40x40x200	40x40x200	40x40x200	40x40x200	40x40x200	40x40x200	40x40x200
Op. Temp. (°C) *	15-40	15-40	15-40	15-40	15-40	15-40	15-40	15-40
Lifetime (hours)	5000	5000	5000	5000	5000	5000	5000	5000
Env. Humidity (%)	5-85	5-85	5-85	5-85	5-85	5-85	5-85	5-85

*Base temperature, larger heatsink recommended for 555 nm lasers.

** Ask about dual voltage input options for reduced heat.

***Ask about lower divergence beams, if needed.

MECHANICAL DRAWINGS



SAFETY WARNINGS



COMPLIANT & REGISTERED

