



Features

- 3W/3W/6W CW
- 447nm/532nm/640nm
- On-chip wavelength-stabilized BrightLock™ pump for reduced sensitivity to temperature
- Collimated output

Applications

- Laser TV
- Front and rear projection
- Heads-up display
- Target illumination
- Non-lethal visual disruption

Benefits

- Compact and low cost
- High power (~3000 lumens)
- Relaxed temperature control requirement
- Improved system efficiency
- Easy system integration

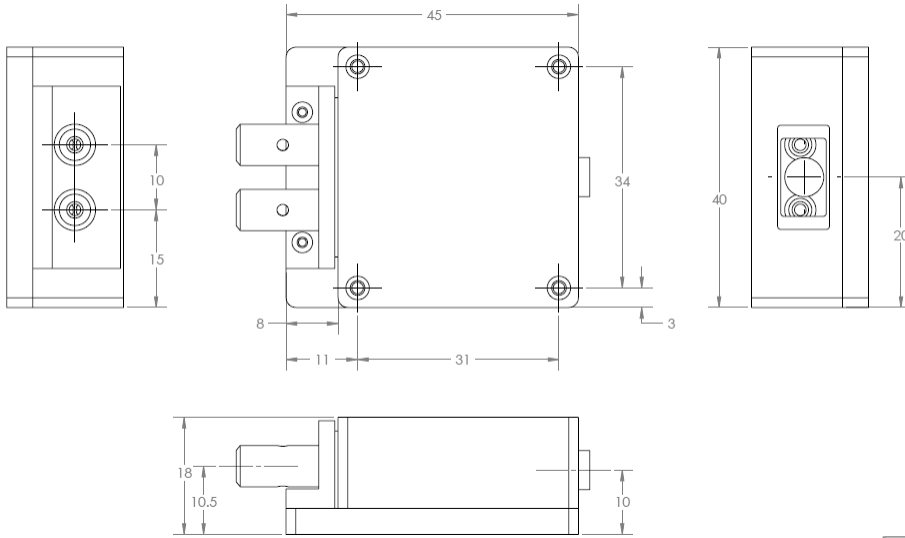


Parameter	Units	Green	Blue	Red
Part Number		7605-0001	7604-0002	7606-0001
Light Output Power	W	3	3	6
Forward voltage	V	<2	<22	<2.3
Forward current	A	<23	<1.2	<25
Case temperature	°C	20 ± 10	20± 2	20± 2
Storage temperature	°C	-20~70	-20~70	-20~70
Center wavelength	nm	532 ± 0.5	447 ± 8	640 ± 5
Spectral width (FWHM)	nm	<0.15	<15	<2
Wavelength temp coefficient	nm/°C	<0.02	<.2	<0.25
Beam size at output window	mm	<1	<4 x 4	<10 x2
Polarization		Linear, Vertical	Linear, Vertical	Linear, Vertical
Polarization extinction ratio		>100:1	>100:1	>25:1
Horizontal divergence angle	deg	<1	<1	<6
Vertical divergence angle	deg	<1	<0.5	<0.5
Typical M2		<5	<4	Multimode
Typical conversion efficiency	%	10	20	15
Connector		Ribbon		
Module dimensions (by design)	mm	107 x 40 x 23.5	45 x 40 x 18	45 x 40 x 18
SHG heater electrical input		As required		
Temperature sensor		NTC thermistor, 10KΩ at 25 ° C		

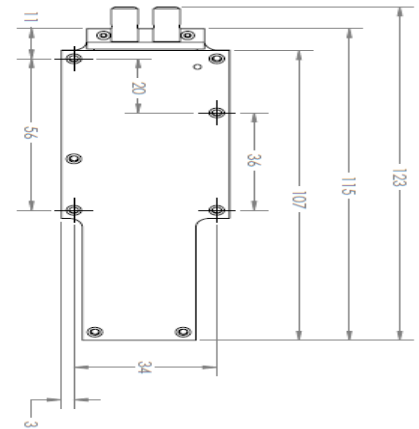
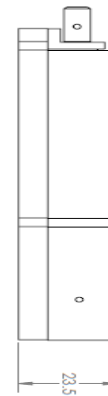
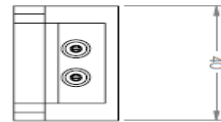
Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

Laser Operations LLC

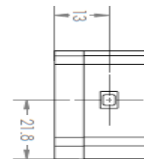
15632 Roxford Street • Sylmar, CA 91342 • Phone + 1(818) 986-0000 • Fax: +1(818) 698-0428
www.QPCLasers.com • email: info@QPCLasers.com



7604-0002: Blue
7606-0001: Red



7605-0001: Green



BRIGHTNESS and POWER
Breaking Performance Barriers through Semiconductor Laser Innovation

Laser Operations LLC

15632 Roxford Street • Sylmar, CA 91342 • Phone + 1(818) 986-0000 • Fax: +1(818) 698-0428
www.QPCLasers.com • email: info@QPCLasers.com