



### Features

- 792, 808, 888, 976, 1064, 1210, 1320, 1470, 1532, 1710, and 1920 nm
- Detachable fiber
- Armor or bare fiber delivery
- Dichroic filter protection available
- Cladding-free power
- Conduction cooled package
- Thermistor standard
- Aiming Beam, photodiode optional

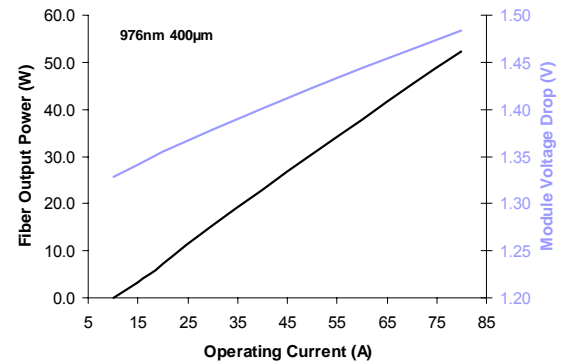


### Applications

- Laser pumping: Fiber lasers, Solid state lasers
- Materials processing: Marking, Soldering, Plastics welding
- Medical: Dental, Ophthalmology, Therapeutic
- Defense: Target illumination, LADAR

### Benefits

- Compact
- High Efficiency
- Long working distance and sharper features for materials processing applications



Model Number*	6007-0002	6009-0000	6009-0002	6010-0000	6013-0001	6014-0000
Output power	≥ 20 W	≥ 35 W	≥ 50 W	≥ 30 W	≥ 15 W	≥ 17 W
Operating current	< 35 A	< 64 A	< 80 A	<64 A	< 50A	< 60A
Operating voltage	< 2 V	< 1.6 V	< 1.5 V	< 1.6 V	< 1.3 V	< 1.3 V
Typical efficiency %	36	37	47	32	30	27
Center wavelength	792 nm	976 nm	976 nm	1064 nm	1320 nm	1470 nm
Wavelength tolerance	± 3 nm	± 3 nm	± 3 nm	± 10 nm	± 10 nm	± 10 nm
Spectral width (FWHM)	<2.5 nm	<5 nm	<5 nm	<8 nm	<12 nm	<12 nm
Wavelength temp. coefficient	<0.3 nm/°C	<0.3 nm/°C	<0.3 nm/°C	<0.3 nm/°C	<0.45 nm/°C	<0.45 nm/°C
Fiber core diameter (nominal)	100 µm	200 µm	400 µm	200 µm	400 µm	400 µm
Fiber NA (nominal)	0.22	0.22	0.22	0.22	0.22	0.22
Fiber length	2 m	2 m	2 m	2 m	2 m	2 m
Fiber output connector	SMA	SMA	SMA	SMA	SMA	SMA
Operating/Test temperature	20° C	20° C	20° C	20° C	20° C	20° C
Internal thermistor	NTC 10K Ω	NTC 10K Ω	NTC 10K Ω	NTC 10K Ω	NTC 10K Ω	NTC 10K Ω
Module size (L x W x H)	100 mm x 41.5 mm x 31.5 mm					

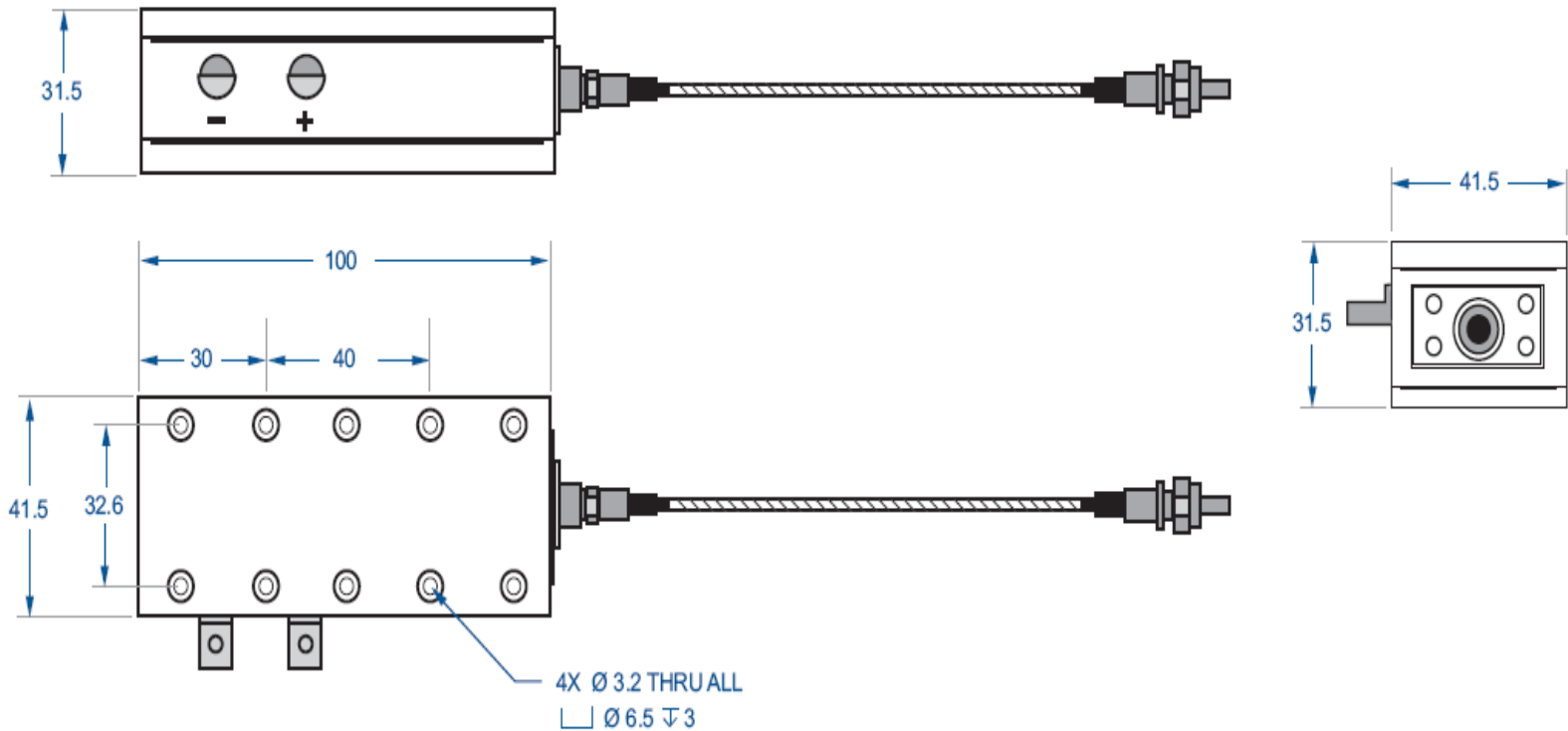
Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

**Laser Operations LLC**

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## Module Size



*BRIGHTNESS and POWER*  
*Breaking Performance Barriers through Semiconductor Laser Innovation*

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