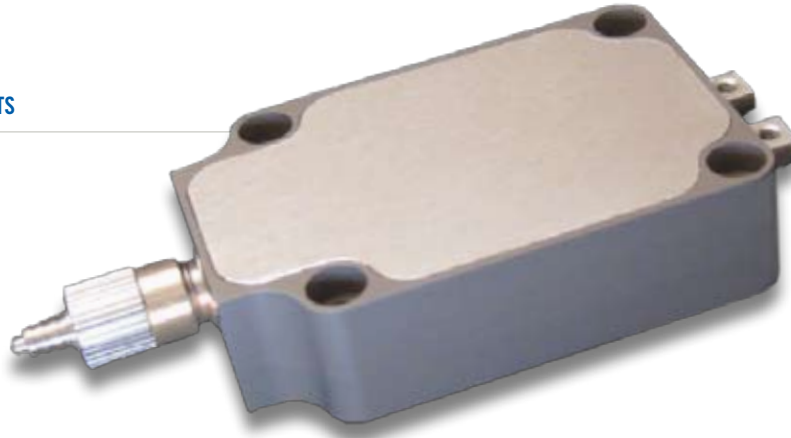


FEATURES AND BENEFITS



FIBER COUPLED ARRAYS

- High Brightness
 - 0.22 NA
- Passively Cooled
- Long Lifetime, High Reliability

OPTIONS AVAILABLE

- Red Aiming Beam (3mW - 20mW)
- Monitoring Photodiode
- Thermistor (NTC - PT100)
- Integated TE Coolers

TECHNICAL SPECIFICATIONS

Parameter	Specifications	Units
CW Power Output ⁽¹⁾	6 to 20	W
Center Wavelength ⁽²⁾	808, 915	nm
Center Wavelength Tolerance	5	nm
Spectral Width (FWHM)	5	nm
Operating Temperature ⁽³⁾	15 to 35	°C
Wavelength Shift	0.3	nm/°C
Fiber Connector	SMA - 905	—
Fiber Core Diameter	100	µm
Fiber NA	0.22	—
Built-In Thermistor	NTC - 10kOhm -25 °C (Option: PT100) ⁽⁴⁾	—
Cooling	Conductive (through bottom surface)	—
Electro-Optical Efficiency	> 40%	—
Storage Temperature ⁽⁵⁾	-20 to +60	°C

FIBER CORE DIAMETER OPTIONS

Models	Output Power	Fiber 100 µm	Fiber 200 µm	Fiber 400 µm	Fiber 600 µm
FCAXX-YYY-FZ-H	6W	✓			
	10W	✓			
	15W	✓			
	20W	✓			

XX = Power (Watts)

YYY = Wavelength (nm)

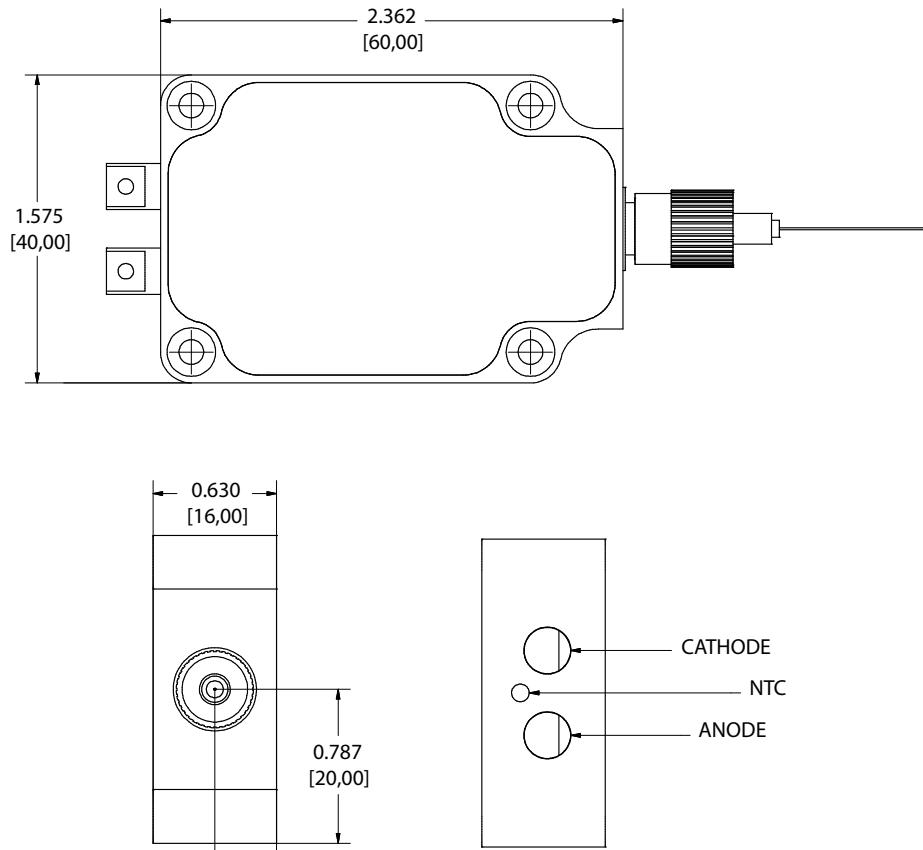
Z = Fiber Diameter (x 100 microns)

6 to 20W CW

APPLICATIONS

Applications	790	808	915	940	976	980	1064	1340	1500
Solid State Laser Pumping		✓							
Fiber Laser Pumping			✓						
Soldering and Welding		✓							
Medical		✓	✓						
Illumination		✓	✓						
Material Processing		✓	✓						

MECHANICAL CHARACTERISTICS



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DANGER

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

* Diode laser
SW & up, 790-1560nm
CLASS IV

WARNING

ELECTROSTATIC DISCHARGE SENSITIVE DEVICE
REQUIRING SPECIAL HANDLING

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