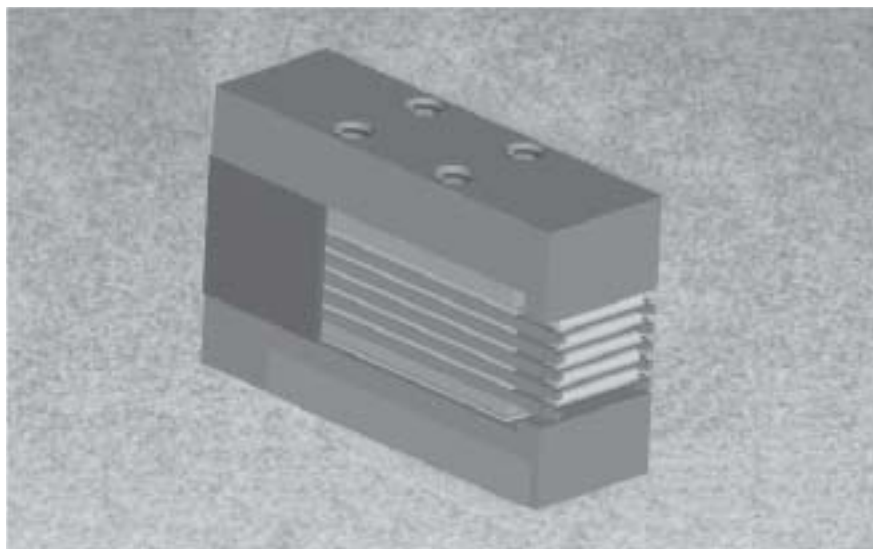


## ARR64-Series CW Laser Diode Array Submodules

### ARR64-Series

- Capable of Handling 1-10 Laser Diode Bars
- Easily Soldered to a Heat Exchanger
- Fast and Slow Axes Lensing Available
- Ultra Compact



### FEATURES

- Configured for 40 to 650 Watts of Power
- Handles ASM-126 40 to 65 Watts pump bars
- Microchannel Water-Cooled
- Pulsed/CW Operation

### PRODUCT CHARACTERISTICS

The ARR64-Series Diode Laser Array provides up to 650 Watts of CW optical pump energy in a compact, microchannel-cooled package. Utilizing the ASM-126 pump bars, the ARR64-Series is configurable from 40W to 650W. The pump arrays consists of one or ten pump bars mounted on this stacked, thermally managed and efficient package.

The ARR64-Series of diode arrays are ideally suited for solid state laser pumping applications. Cooling and electrical connections are provided on each array. Fast and slow axes lensing is available, providing divergences down to 1/4 degree x 4 degrees.

REV A-1/02



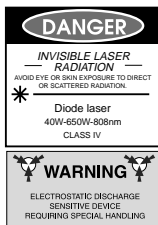
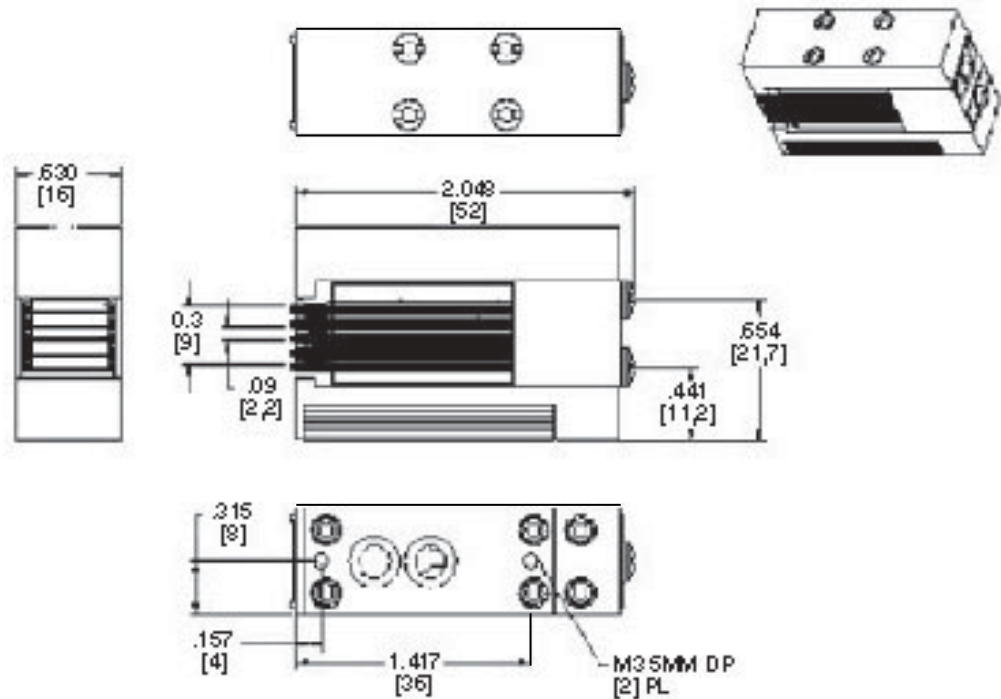
光技術をサポートする  
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# SPECIFICATIONS

PARAMETER	MIN	TYP	MAX	UNITS
CW Output Power	40		650	Watts
Operating Current		62	70	Amps
Operating Voltage	1.8		18	Volts
Conversion Efficiency		50		%
Center Wavelength	800	805	810	nm
Threshold Current		12	14	Amps
Case Operating Temperature	6	25	35	°C
Storage Temperature	0		40	°C

# MECHANICAL DRAWING



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Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate safety precautions should operate a laser product. Directly viewing the laser beam or exposure to specular reflections must be avoided. Serious injury may result if any part of the body is exposed to the beam. The eye is extremely sensitive to the infrared radiation and therefore, proper eye-wear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always wear proper eye protection when operating.