

Fiber Coupled Array

FCA600C030

- 600 μm Fiber Diameter, 0.2 NA
- Detachable SMA Fiber
- 30W Output Power



OPTICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
CW Power Output	25°C Heat Sink	30	---	---	W
Operating Current ⁽²⁾	30W at 25°C Heat Sink	---	39	44	A
Threshold Current	25°C Heat Sink	---	7.0	10	A
Center Wavelength	30W at 25°C Heat Sink	---	808	---	nm
Wavelength Tolerance	30W at 25°C Heat Sink	---	± 3	---	nm
Spectral Width FWHM	30W at 25°C Heat Sink	---	3.0	---	nm
Wavelength Shift	---	---	0.25	---	nm/°C

ELECTRICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Series Resistance	25°C Heat Sink	---	0.006	0.012	ohms
Operating Voltage	25°C Heat Sink	---	1.9	2.1	V

ABSOLUTE MAXIMUM RATINGS

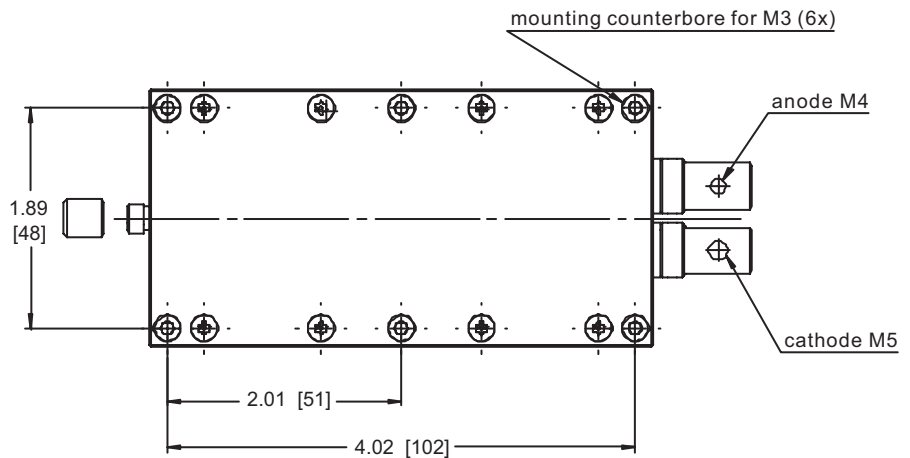
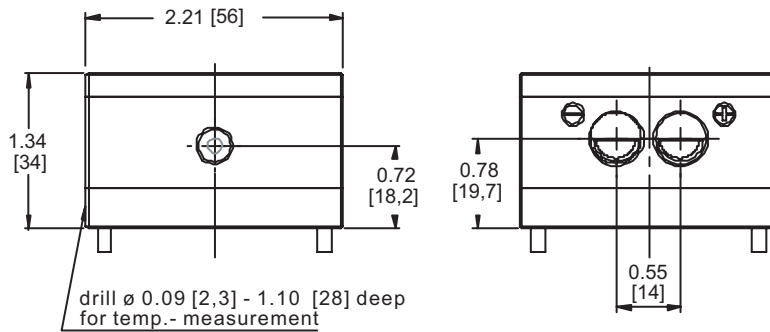
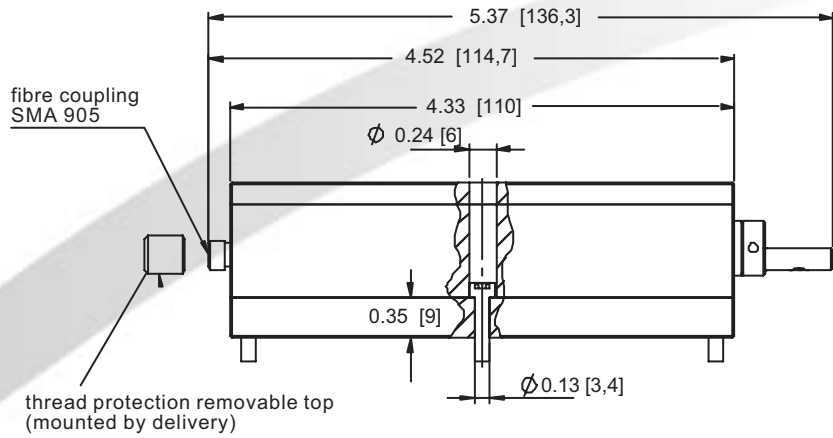
PARAMETER	CONDITIONS
Forward Current	50A
Reverse Current	25 μA
Reverse Voltage	0V
Operating Temperature Range ⁽³⁾	15°C or to 30°C
Storage Temperature Range	-20°C to 60°C

NOTES

- (1) These specifications apply for operation at 808nm. Other wavelengths available upon request.
- (2) Beginning of life
- (3) A dry nitrogen environment should be provided by the user when storing and operating at temperatures below ambient point.

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MECHANICAL CHARACTERISTICS



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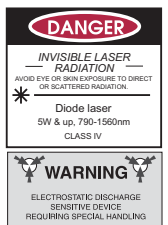
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This Product is covered by one or more of the following Patents: 5,898,211 5,985,684 5,913,108 6,310,900 Other US and Foreign Patents Pending.

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 eyewear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always wear proper eye protection when operating.

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