GOLDEN BULLET

LASER DIODE SUBMODULE

200W QCW

NORTHROP GRUMMAN

PART NUMBER: ASM232P200

GOLDEN BULLET SUBMODULE

FEATURES AND BENEFITS

- Proprietary Hard Solder Technology
- Long Pulse and/or High Duty Cycle
- Expansion Matched Materials
- Available Wavelengths (790-980nm)

OPTICAL CHARACTERISTICS

Parameter	Conditions	Min	Typ	Units
QCW Power Output	180A at 25°C Heat Sink	200	—	W
Operating Current	200W at 25°C Heat Sink	—	180	A
Threshold Current	25°C Heat Sink	—	15	A
Center Wavelength	200W at 25°C Heat Sink	—	808	nm
Wavelength Tolerance	200W at 25°C Heat Sink	—	+/-3	nm
Spectral Width	200W at 25°C Heat Sink	—	2.5	nm
Wavelength Shift	—	—	0.25	nm/°C
Beam Divergence FWHM	—	—	40x10	°x°

ELECTRICAL CHARACTERISTICS

Parameter	Conditions	Min	Typ	Units
Series Resistance	25°C Heat Sink	—	0.002	ohms
Operating Voltage	25°C Heat Sink, 200W	—	2.0	V

ABSOLUTE MAXIMUM RATINGS

Parameter	Conditions
Reverse Current	0A
Reverse Voltage	0 V
Operating Temperature Range	-40°C to 70°C
Storage Temperature Range	-40°C to 85°C

NOTES

(1) These specifications apply for operation at 808nm. Other wavelengths available upon request.

(2) A dry nitrogen environment should be provided by the user when storing and operating at temperatures below ambient dew point.

光技術をサポートする
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http://www.optoscience.com

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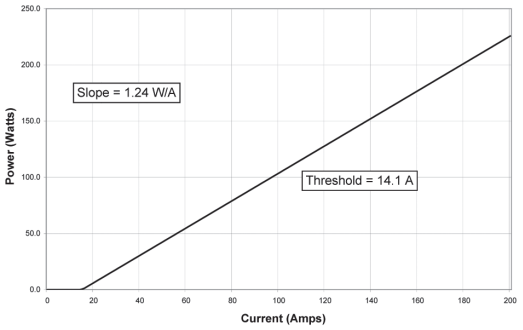
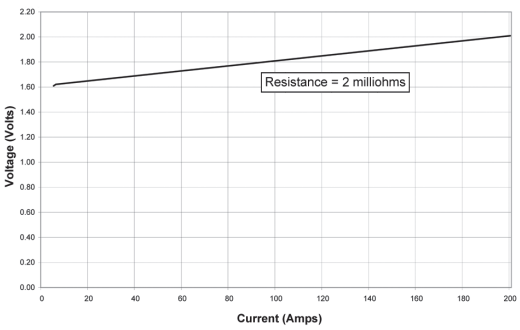
200W QCW

OPTICAL CHARACTERISTICS (TYPICAL)

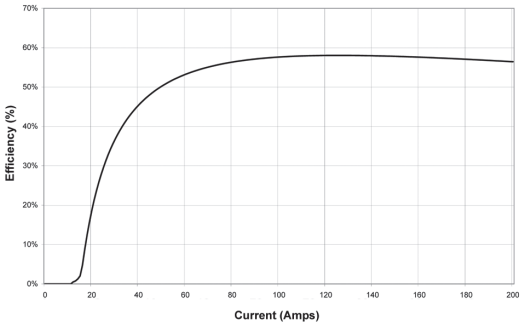
Power vs Current
25°C



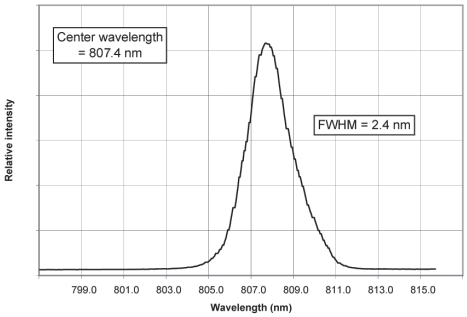
Voltage vs Current
25°C



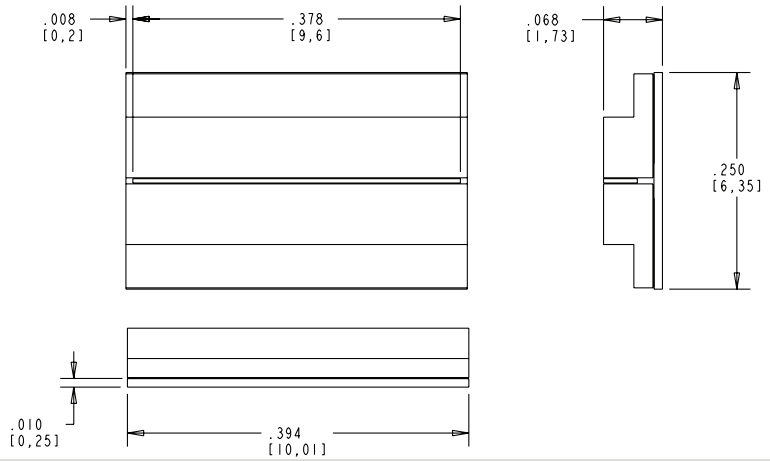
Efficiency vs Current
25°C

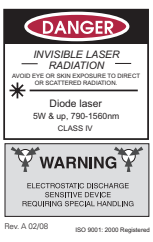


Wavelength Spectrum
180.0 A, 25°C



MECHANICAL CHARACTERISTICS





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