GOLDEN BULLET

LASER DIODE SUBMODULE

100W QCW

PART NUMBER: ASM232P100

NORTHROP GRUMMAN

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	Тур	Units
QCW Power Output	98A at 25°C Heat Sink	100	_	W
Operating Current	100W at 25°C Heat Sink	_	98	А
Threshold Current	25°C Heat Sink	—	15	А
Center Wavelength	100W at 25°C Heat Sink	—	808	nm
Wavelength Tolerance	100W at 25°C Heat Sink	—	+/-3	nm
Spectral Width	100W at 25°C Heat Sink	—	2.0	nm
Wavelength Shift	—	—	0.25	nm/°C
Beam Divergence FWHM	_	—	40×10	°X°

ELECTRICAL CHARACTERISTICS

Parameter	Conditions	Min	Тур	Units
Series Resistance	25°C Heat Sink	_	0.002	ohms
Operating Voltage	25°C Heat Sink, 100W	—	1.8	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.

光技術をサポートする

株式会社オプトサイエンス

http://www.optoscience.com

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



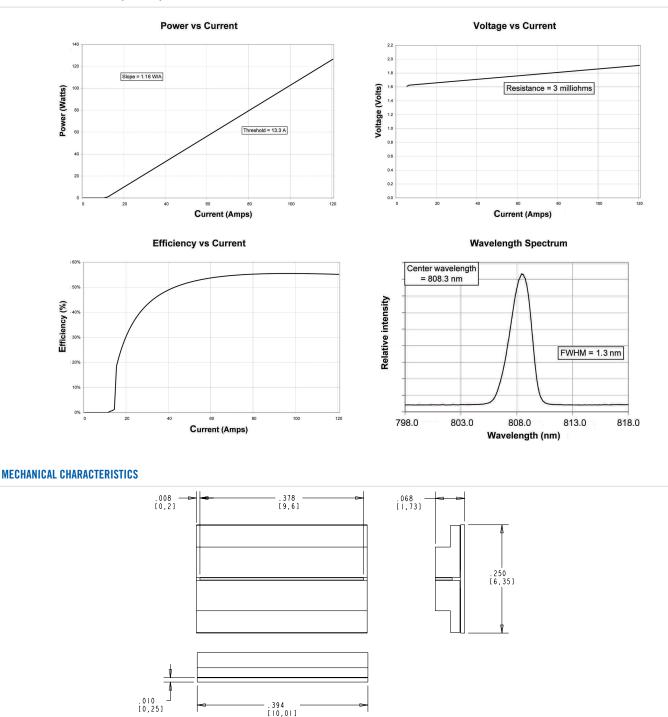
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OPTICAL CHARACTERISTICS (TYPICAL)



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