

PART NUMBER: ASM232C040
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
CW Power Output	50A at 25°C Heat Sink	40	—	W
Operating Current	40W at 25°C Heat Sink	—	50	A
Threshold Current	25°C Heat Sink	—	13	A
Center Wavelength	40W at 25°C Heat Sink	—	808	nm
Wavelength Tolerance	40W at 25°C Heat Sink	—	+/-3	nm
Spectral Width	40W at 25°C Heat Sink	—	1.6	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, 40W	—	1.8	V

> ABSOLUTE MAXIMUM RATINGS

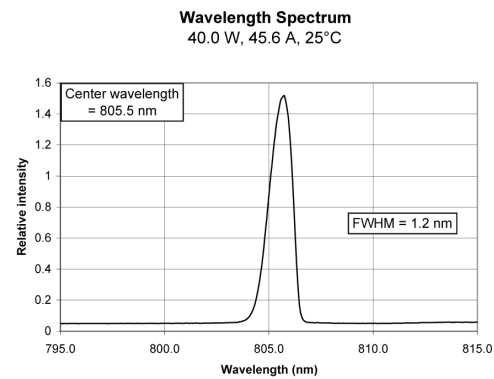
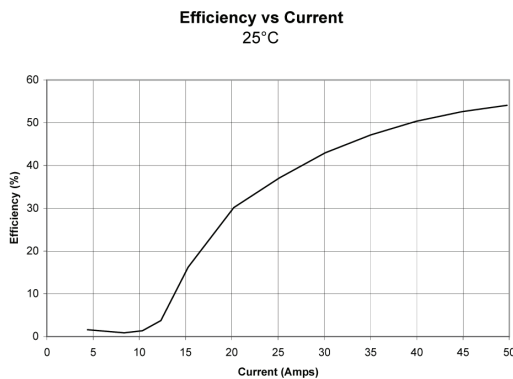
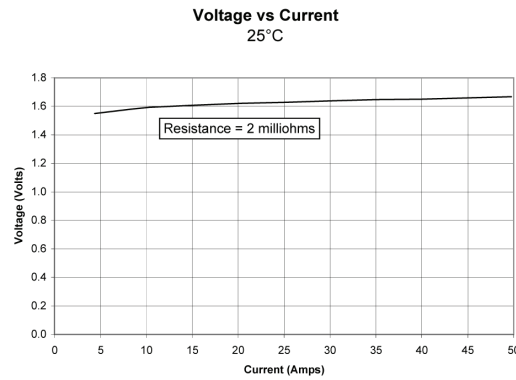
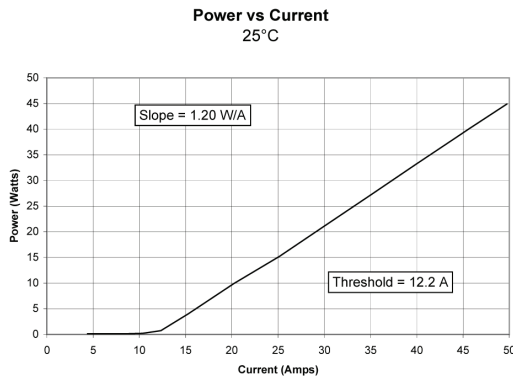
Parameter	Conditions
Reverse Current	0 A
Reverse Voltage	0 V
Operating Temperature Range	-40°C to 70°C
Storage Temperature Range	-40°C to 85°C

> NOTES

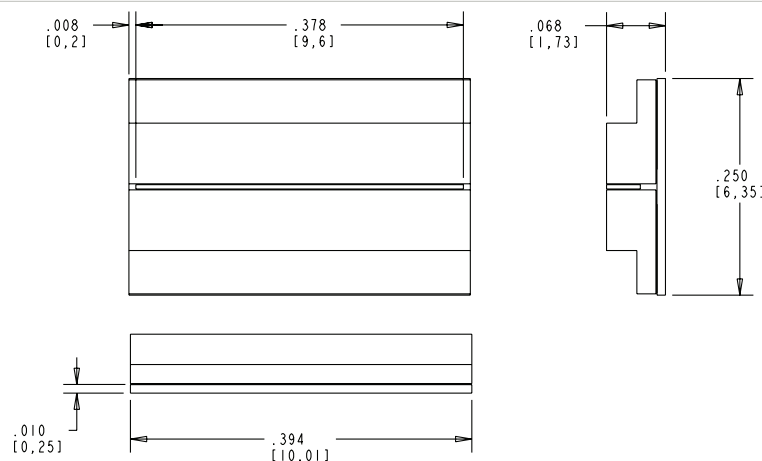
- (1) These specifications apply for operation at 808nm. Other wavelengths available upon request.
 (2) A dry nitrogen environment should be provided by the user when storing and operating at temperatures below ambient dew point.



OPTICAL CHARACTERISTICS (TYPICAL)



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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