





CMC-808-3000-13M

## Optical Electrical Characteristics (T<sub>C</sub>=25°C)

Parameter			3W	
	Unit	Min	Тур	Max
Wavelength	nm	805	808	811
Operating Power	W	2	3	-
Operating Current*	А		3.2	3.6
Operating Voltage	V	-	2.0	2.5
Threshold Current	mA	-	400	600
Slope Efficiency	W/A	-	1.0	(4)
Vertical Far Field @FWHM	dego		8	100
Horizontal Far Field @FWHM	dego	-	8	-

### Absolute Maximum Ratings\*\*

Parameter	Unit	Condition	Min	Тур	Max
Operational Temperature***	°C	CW	-20	25	50

\* Please note that CW lasers may be damaged by excessive drive current or switching transients
\*\* Data is based on CW operation at 25°C.

\*\*\* Device degradation accelerates with increased temperature.

This datasheet is for general reference only. Specifications are subject to change without notice. Product subject to availability.

# Safety Warning

Caser light emitted from any laser diode is invisible and may be harmful to the human eye. Avoid looking directly into the laser aperture when the device is in operation. The use of optical instruments with this product will increase eye hazard.

ESD Wartining. The primary cause of diode failure is unexpected electrostatic discharge. To help prevent device failures, the user should always wear an ESD wrist strap, ground all applicable work surfaces and follow anti-static techniques when handling diode lasers.

### Laser Operation Consideration

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Operating the laser beyond the limits of the provided specifications may result in device failure or a safety hazard and will void warranty. Devices must be passively or actively booked in accordance with the provided specifications. Failure to comply with heatstinking requirements may result in devoce failure.

Warranty

Due to the delicate nature of laser diodes, Sheaumann offers a limited warranty for all products

Please refer to our Terms and Conditions for full details.

### Compliance Notice

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