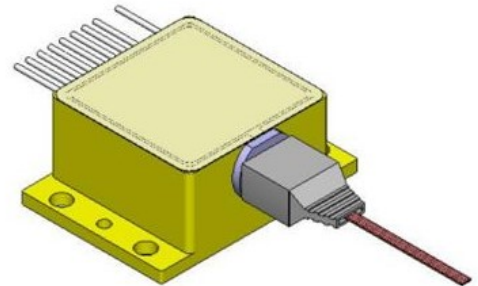


1x8 808nm Addressable VCSEL Array Module PP-MA8-300-W0830

- Vertical-Cavity Surface-Emitting Laser technology
- 1x8, 808nm addressable
- x8, 62.5 μ m/0.22NA fiber ribbon
- 300mW/channel (pulsed)
- Very high reliability, can operate at high temperatures (up to 80 °C)
- Wavelength stabilized & narrow spectral width (< 1 nm)
- Easily soldered to heat exchanger



Optical & Electrical Characteristics

PARAMETER	CONDITIONS*	MIN	TYP	MAX	UNIT
QCW Output power	380mA, 20 °C Heat-sink	300	320	--	mW
Operating current	300mW, 20 °C Heat-sink	--	340	380	mA
Operating voltage	300mW, 20 °C Heat-sink	--	10	12	V
Differential resistance	300mW, 20 °C Heat-sink	--	25	30	Ω
Center wavelength	300mW, 20 °C Heat-sink	800	808	816	nm
Spectral width (FWHM)	300mW, 20 °C Heat-sink	--	0.8	1	nm
Wavelength shift	20 °C Heat-sink	--	--	0.070	nm/ °C

Ordering information

PP – MA8 – 300 – W0830

Package Type _____ Wavelength (nm) _____
 QCW Output Power (mW) _____

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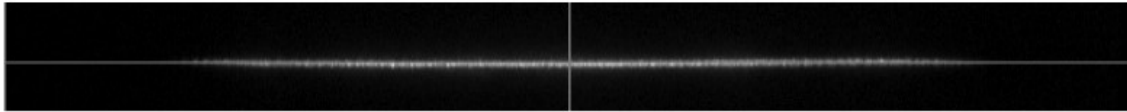
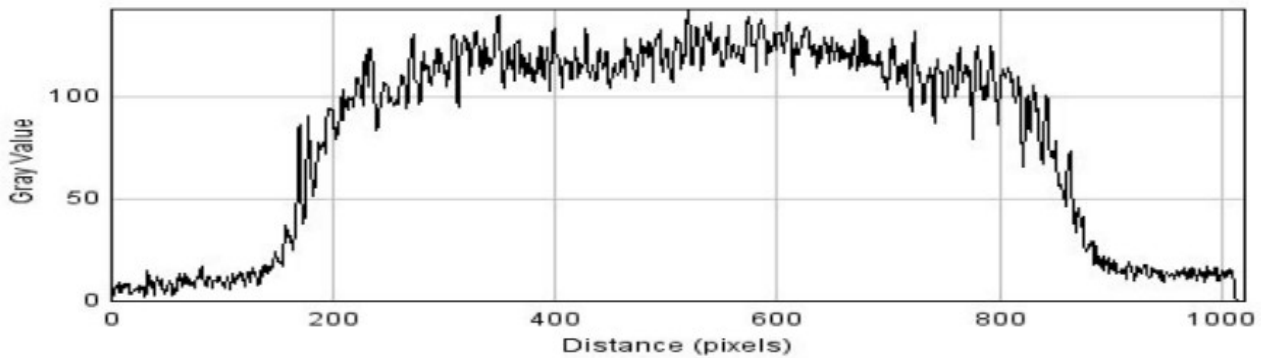
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Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate 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 eye-wear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always wear eye protection when operating.

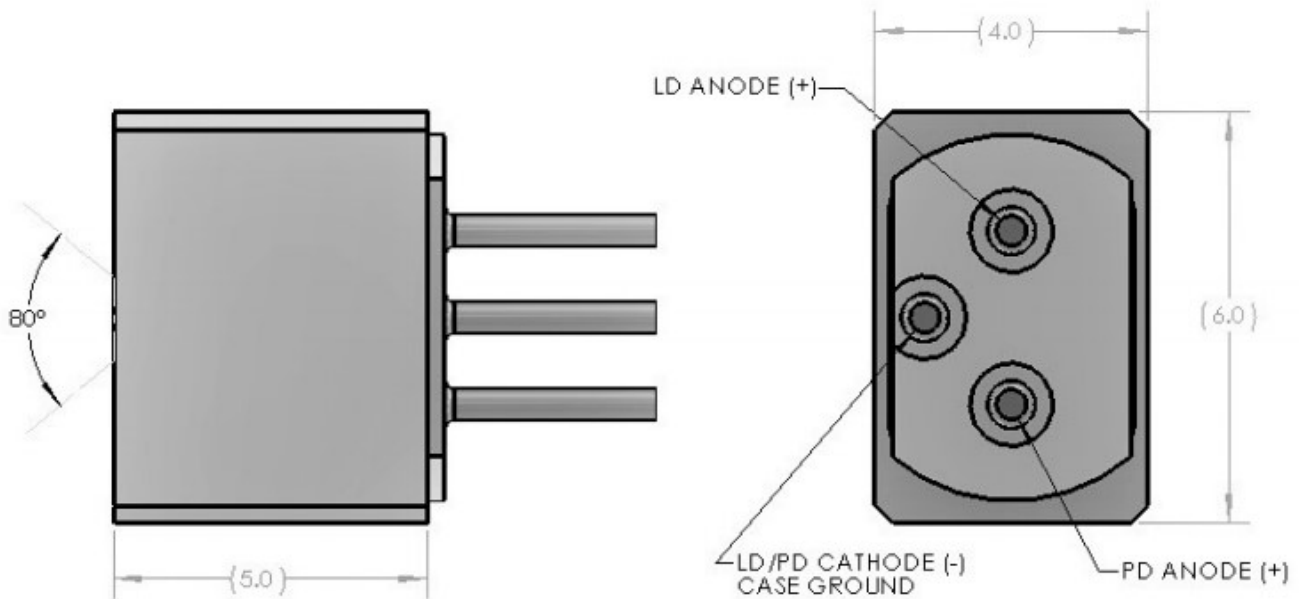


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Line Image & Uniformity Example



Module Dimensions (mm)



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