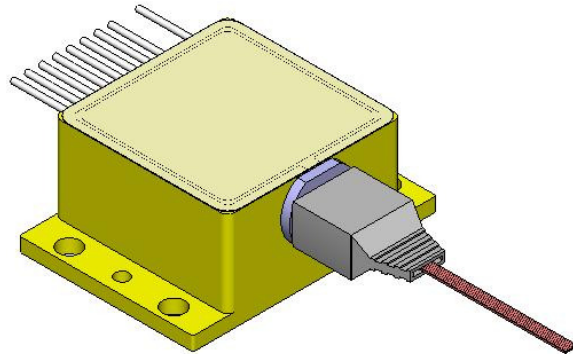


**Addressable 1x8 808nm Module, 300mW/channel (pulsed)  
Part # PP-MA8-300-W0808  
(Preliminary)**

- Vertical-Cavity Surface-Emitting Laser technology
- 1x8, 808nm addressable
- 1x8, 62.5 $\mu$ 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 (<1nm)
- Easily soldered to heat exchanger



**Optical & Electrical Characteristics (per channel)**

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

(\*) 200ns pulse width / 1% duty cycle

**Ordering information**

**PP - MA8 - 300 - W0808**

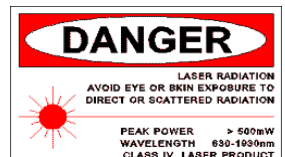


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Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate 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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