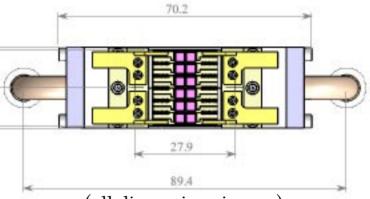


# Multichip VCSEL Array Module(180W-CW) Part # PCW-MC-180-W0808

- Vertical-Cavity Surface-Emitting Laser technology
- Twelve 15W CW chips mounted together total CW power 180W
- 808nm wavelength
- · Stackable in one direction
- Custom wavelengths available (808-1064nm)
- Applications— Side pumping of Nd:YAC laser (CW)



(all dimensions in mm)

#### **Optical & Electrical Characteristics**

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
CW Output Power	40A, 20C Water	180	200		W
Threshold current	20C		8	12	А
Operating current	40A, 20C Water		31	40	Α
Operating voltage	40A, 20C Water		13.0	16	V
Differential resistance	20C		120	150	$m_\Omega$
Center wavelength	40A, 20C Water	805	808	811	nm
Spectral width (FWHM)	40A, 20C Water		1	3	nm
Wavelength shift	20C	0.060	0.065	0.070	nm/°C
Divergence (half angle)	40A, 20C Water		0.15	0.2	rad

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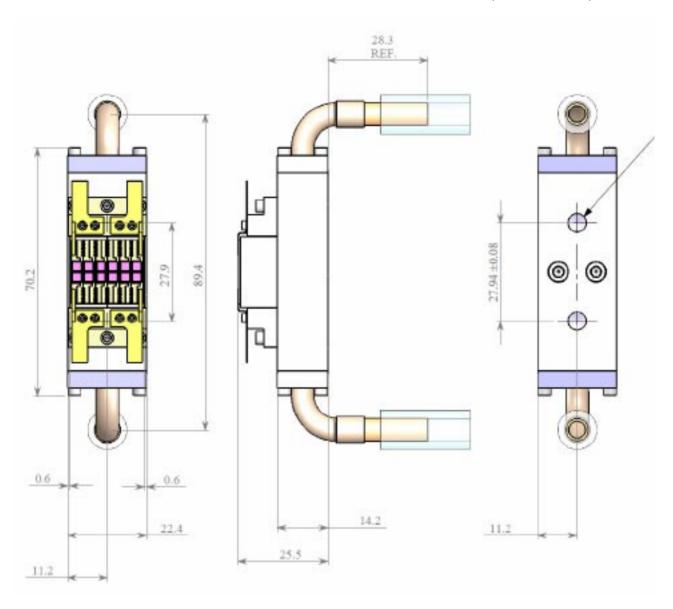




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### Module Dimensions (in mm)



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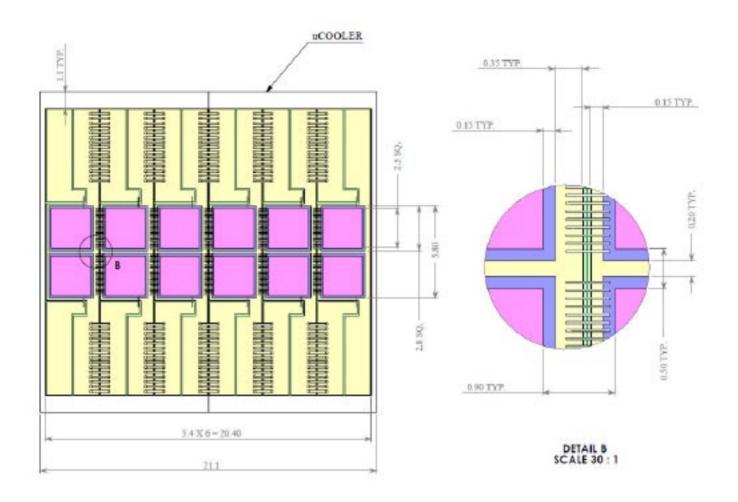




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