



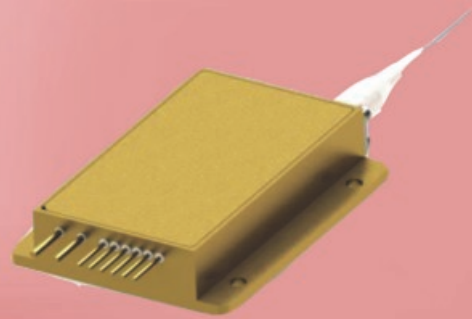
Pumping Source

808nm/878.6nm Diode Laser

Applications

Pumping Source for Solid-state laser

Laser Illumination



	Typical Value									Units	
Optical Parameters (25°C)											
Center Wavelength	808	808	808	808	808	808	878.6	878.6	878.6	nm	
Center Wavelength Tolerance	±3	±3	±3	±3	±3	±3	±0.5	±0.5	±0.5	nm	
CW Output Power	7	20	30	40	50	120	40	70	120	W	
Spectral Width (90% of Power)	<3.0						<0.5			nm	
Wavelength Shift with Temperature	0.3						0.02			nm/°C	
Threshold Current	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.5	1.5	A	
Operating Current	8.0	10.5	10.5	10.5	9.5	9.5	11.8	11.8	11.8	A	
Operating Voltage	1.8	3.5	5.3	7.0	10.5	26.1	7	12.3	21.1	V	
Slope Efficiency	1.1	2.2	3.2	4.1	6.5	15.8	3.9	6.8	11.8	W/A	
Power Conversion Efficiency	50	50	50	50	50	49	48	48	48	%	
Fiber Characteristics¹											
Core Diameter	105	400					200			µm	
Numerical Aperture	0.22	0.22					0.22			-	
Fiber Length	1.0	1.0					1.0			m	
Fiber Connector	Bare Fiber, SMA905										-
Accessories											
Monitor Photodiode	None						Optional			-	
Packaging											
Package Model	R2	T2	T3	T4R	C5	C2A	T4R	C5	C2A	-	
Absolute Ratings											
Operating Temperature	+10~+40									°C	
Operating Relative Humidity	<75									%	
Storage Temperature	-20~+80									°C	
Storage Relative Humidity	<90									%	
Soldering Temperature, 10s max	<250									°C	

¹ Customized fiber and connector available.