



Pumping Source

976nm Wavelength Contact Diode Laser

Applications

Pumping Source for Fiber Laser and Solid-state Laser



	Typical Value						Units
Optical Parameters (25°C)							
Center Wavelength	976						nm
Center Wavelength Tolerance	±0.5						nm
CW Output Power	10	18	27	60	100	140	W
Spectral Width (90% of Power)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nm
Wavelength Shift with Temperature	0.02						nm/°C
Feedback Protection(1030-1100nm)	>40						dB
Threshold Current	1.0	0.6	0.6	0.6	0.6	0.6	A
Operating Current	12.5	10.0	10.0	10.0	10.0	9.8	A
Operating Voltage	1.7	3.4	5.1	13.6	20.4	28.9	V
Slope Efficiency	0.8	1.6	2.4	6.4	9.6	15.2	W/A
Power Conversion Efficiency	50	50	50	50	45	49	%
Fiber Characteristics¹							
Core Diameter	105						μm
Numerical Aperture	0.22						-
Fiber Length	1.0						m
Fiber Connector	Bare Fiber, SMA905, FC/PC						-
Accessories							
Monitor Photodiode	Optional	None	None	None	Optional	Optional	-
Packaging							
Package Model	T1	T4R	T4R	CK	D1	DK	-
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.

* Other wavelengths : 808nm、981nm.