



Electro Optical Components, Inc.

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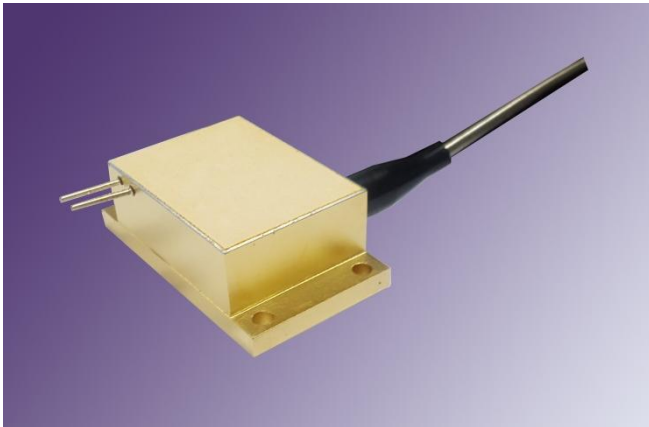
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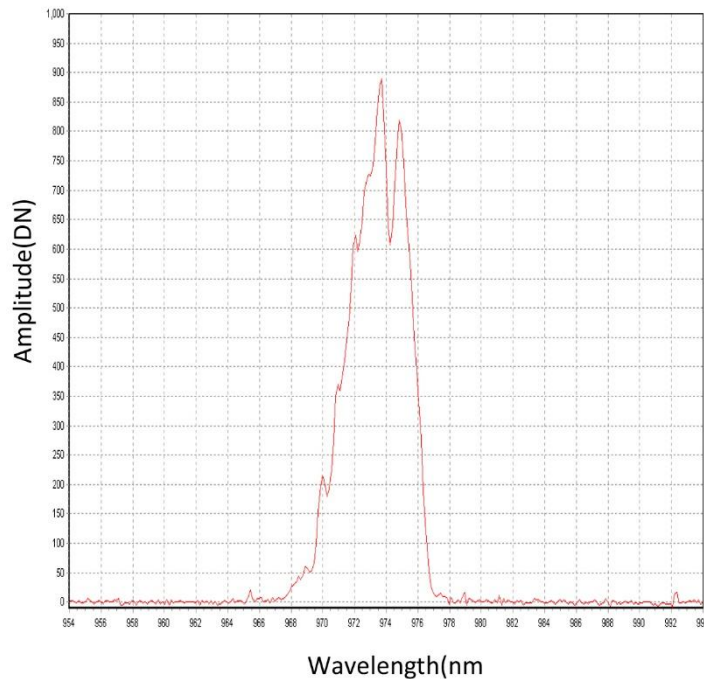
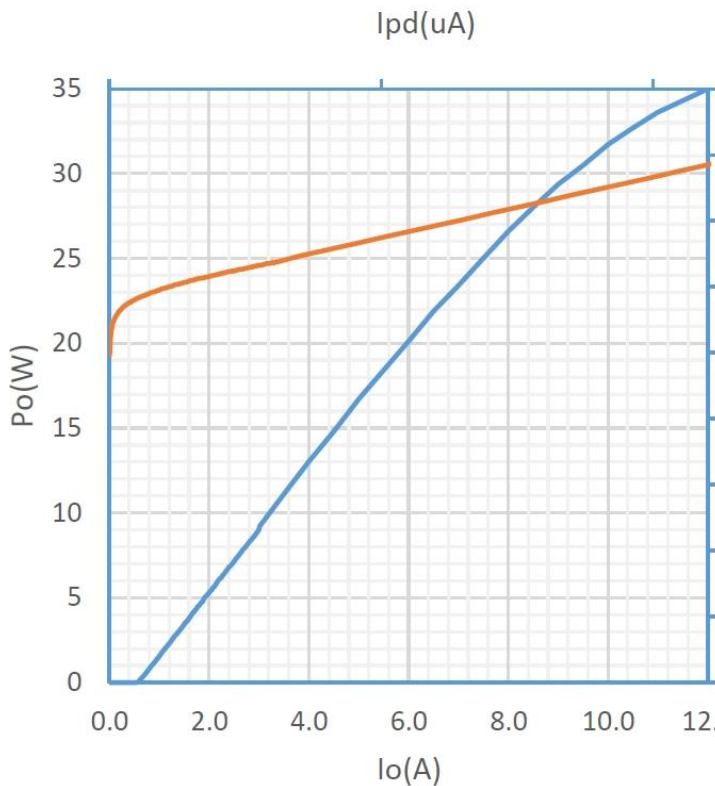
976nm 35W Laser Diode Module

R976±10-35WF-R4S



Feature
Output power: 35W
Wavelength: 976±10nm
Fiber core: 105 μm, 0.22NA
Application
Laser pumping
Material processing;

976nm 35W Characteristics (25°C)



Typical Device Performance(25°C)

Parameter		Symbol	Typical Value	Unit
			R976±10-35WF-R4S	
Optical	CW Output Power	Pop	35	W
	Center Wavelength	λ_c	976±10	nm
	Spectral Width	$\Delta\lambda$	<6	nm
	Temperature drift of wavelength	$\Delta\lambda / \Delta T$	0.3	nm/°C
Electrical	Threshold Current	I _{th}	0.58	A
	Operating Current	I _{op}	12.0	A
	Operating Voltage	V _{op}	7.94	V
	Slope Efficiency	η_{es}	3.2	W/A
Fiber	Fiber Core Diameter	d _{core}	105	μm
	Fiber Clad Diameter	d _{clad}	125	μm
	Fiber Buffer Diameter	d _{buffer}	250	μm
	Numerical Aperture	NA	0.22	-
	Connector	-	FC/PC,ST,SMA905	-

Other Parameters

Parameter	Operating Temperature /°C	Operating Relative Humidity /%	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature (max/°C)
Min	10	-	-20	-	-
Max	30	75	70	90	250(10Sec.)

Package Dimensions (mm)

Pin	Function
1	Laser(+)
2	Laser(-)

