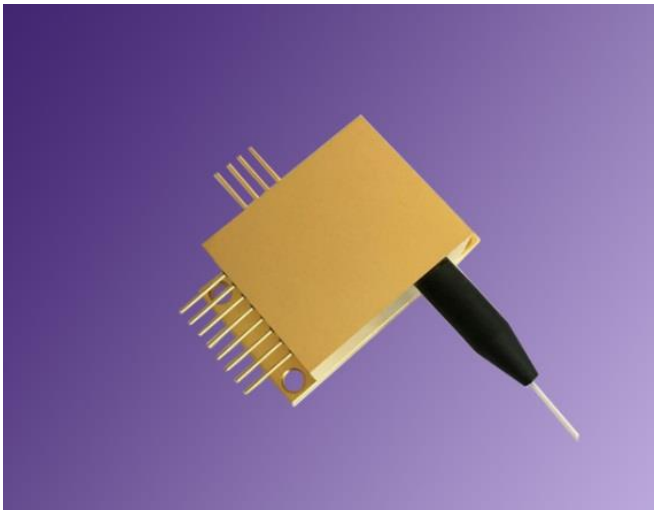
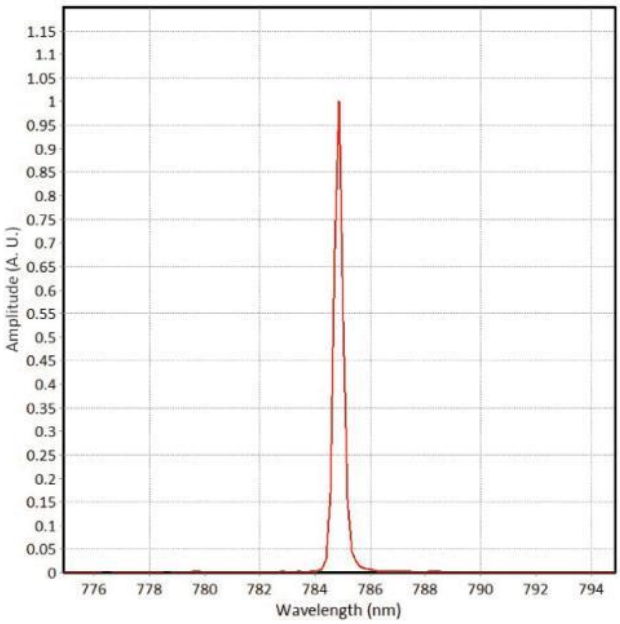
785nm&1064nm 600mW Dual-wavelength Laser Diode Module

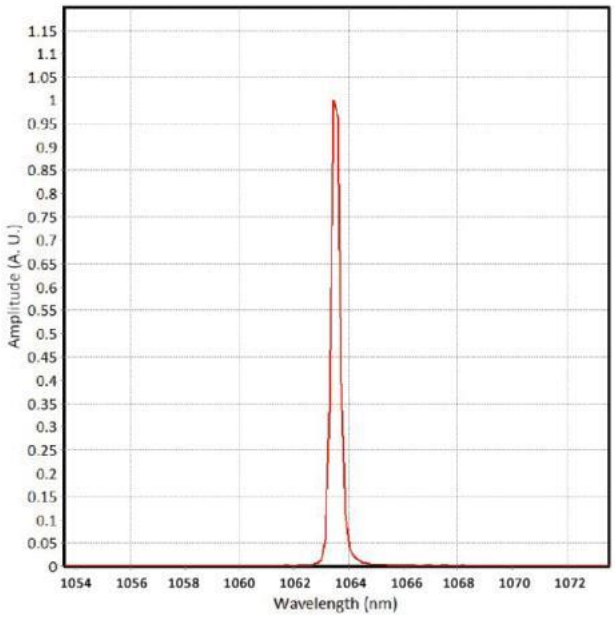
R785/1064±0.5-600/600mWF-R2G-TG



Feature
Wavelength: 785±0.5nm 1064±0.5nm
Output power: 600mW@785±0.5nm 600mW@1064±0.5nm
Fiber core: 105 μm, 0.22NA
Wavelength stability
Current range：0.4~1.3A Temperature range：15~30℃
Application
Spectrum
Science

785&1064nm 600&600nW Characteristics (25℃)





Typical Device Performance(25℃)

Parameter		Symbol	Typical Value		Unit
			R785/1064±0.5-600/600mWF-R2G-TG		
Optical	CW Output Power	Pop	600@785nm	600@1064	mW
	Center Wavelength	λc	785±0.5	1064±0.5	nm
	Spectral Width	△λ	≤0.1		nm
	Temperature drift of wavelength	△λ /△T	0.01		nm/℃
Electrical	Threshold Current	Ith	0.36	0.17	A
	Operating Current	Iop	1.18	1.31	A
	Operating Voltage	Vop	1.91	1.74	V
	Slope Efficiency	ηes	0.73	0.50	W/A
	PD Parameter	Imo	＜2000		μA
	Thermistor	Rt	10±5%/3450		kΩ/β(25℃)
	TEC max Current	Imax	6.0		A
	TEC max Voltage	Vmax	9.8		V
Fiber	Fiber Core Diameter	dcore	105		μm
	Numerical Aperture	NA	0.22		-
	Connector	-	FC/PC,ST,SMA905		-

Other Parameters

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

Package Dimensions (mm)

Pin	Function	Pin	Function
1	TEC(+)	7	1064nm Laser(+)
2	Thermistor	8	TEC(-)
3	Thermistor	9	PD(N)
4	785nm Laser(-)	10	PD(P)
5	785nm Laser(+)	11	--
6	1064nm Laser(-)	12	--