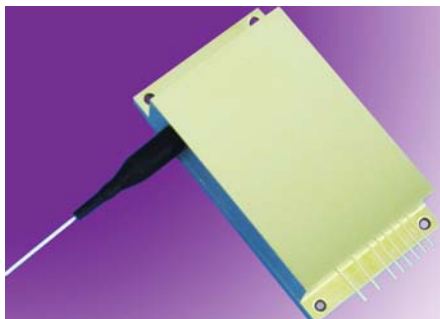


LDM-976-65-C1



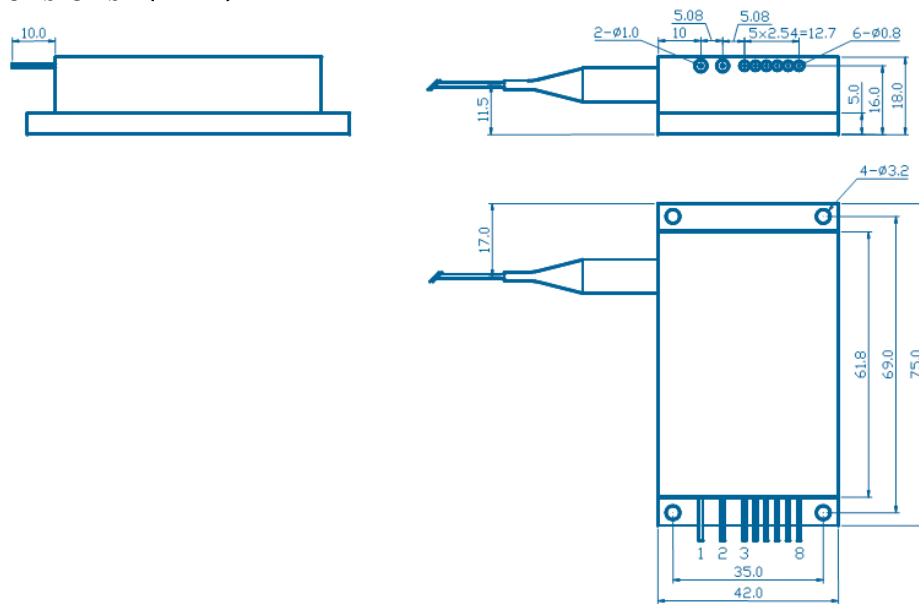
Characteristics
Output Power 65W
Spectral width, <6nm
Fiber Coupling 105µm
Fiber Core Dia. 0.22NA
Electrically isolated housing
Fiber laser feedback protection
Application
Fiber laser pumping source

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	65	W
	Center Wavelength	λ	976 ±2	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<6	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.35	nm / °C
	Anti-flections protection	FP	>40	dB
Electrical	Threshold Current	I_{th}	0.5	A
	Operating current	I_{op}	9.5	A
	Operating Voltage	V_{op}	14	V
	Slop Efficiency	η_{es}	7.15	W / A
	Power Conversion Efficiency	η_{ep}	50	%
Fiber	Fiber Core Diameter	d_{core}	105	µm
	Fiber Cladding Diameter	d_{clad}	125	µm
	Fiber Buffer Diameter	d_{buffer}	250	µm
	Numerical Aperture	NA	0.22	-
	Fiber Length	L	1.0	m

Other Parameters

Parameter	Operating Temperature/°C	Operating Relative Humidity/%	Storage Temperature/°C	Storage Relative Humidity/%	Lead Soldering Temperature, 10s max/°C
Min	10	-	-20	-	-
Max	40	75	80	90	250

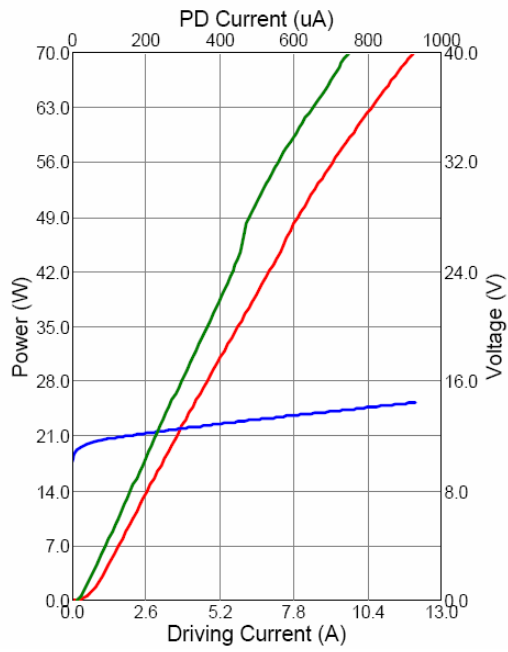
Package Dimensions (mm)



Pins and Functions			
Pin	Function	Pin	Function
1	Laser(+)	5	Thermistor
2	Laser (-)	6	Thermistor
3	PD(N)	7	-
4	PD(P)	8	-



976nm Diode Laser Characteristics (25°C)



Spectrum

