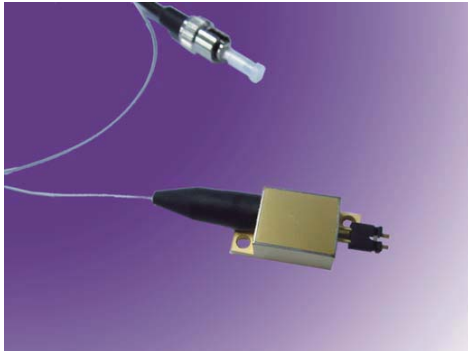


LDM-830-1-CTP



Characteristics
Output Power 1W
Wavelength: 830nm
Fiber core diameter: 60µm or 50µm
Fiber Core Dia. 0.14NA
Application
Printing

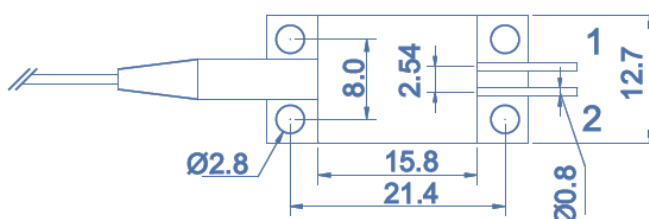
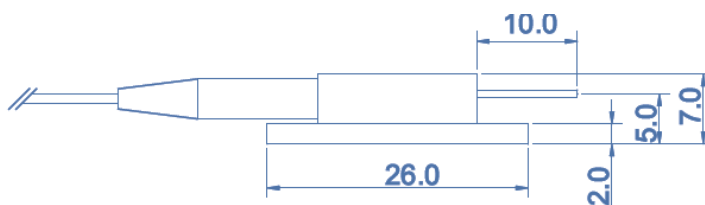
Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	1	W
	Center Wavelength	λ	830 ±10	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<3.0	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.3	nm / °C
Pilot beam	Output Power	P_a	>2	mW
	Wavelength	λ_a	650 ±10	Nm
	Voltage	V_a	2.2, 5.0	V
	Current	I_a	<30	mA
Electrical	Threshold Current	I_{th}	0.2	A
	Operating current	I_{op}	1.4	A
	Operating Voltage	V_{op}	2.1	V
	Slop Efficiency	η_{es}	0.8	W / A
Fiber	Fiber Core Diameter	d_{core}	50 or 60	µm
	Fiber Cladding Diameter	d_{clad}	125	µm
	Fiber Buffer Diameter	d_{buffer}	0.14	-
	Connector	-	ST	-

Other Parameters

Parameter	Operating Temperature/°C	Storage Temperature/°C	Storage Relative Humidity/%	Lead Soldering Temperature, 10s max/°C	MTBF/h
Min	10	-20	-	-	10000
Max	30	80	90	250	-

Package Dimensions (mm)

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



830nm Characteristics (25°C)

