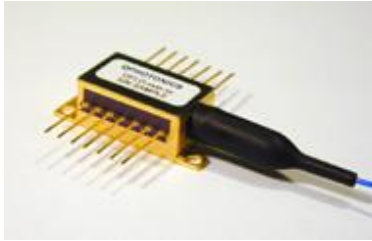


Multi mode fiber coupled laser diode

1W @ 970nm, QFLD-970-1000M



- Multi mode fiber coupled Fabry Perot (FP) laser.
- High output power with butterfly package.
- Low threshold current and high slope efficiency.
- Operating temperature range -40 °C to +70°C.
- Wavelength/temperature coefficient 0.3nm/°C
- Built-in monitor photodiode, thermo-electric cooler and thermistor.
- Multi mode fiber pigtail, 105um/125um.
- Optional FC/PC and FC/APC connector.



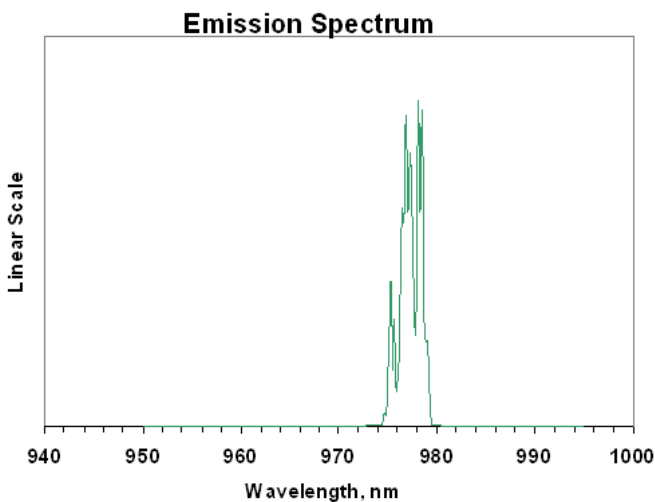
[View Sample Datasheet PDF](#)

Specifications

Test conditions: temperature 25°C, power 1000 mW, CW operation

Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f	900	1000		mW
Wavelength	λ_c	960		985	nm
Wavelength v/s temperature coefficient	$d\lambda/dT$		0.3		nm/°C
Spectral linewidth (FWHM)	$\Delta\lambda$		3.0	7.0	nm
Forward current	I_f		1500	1800	mA
Threshold current	I_{th}		250	350	mA
Forward voltage	V_f		2.0	3.0	V
Monitor current @ $V_{rPD}=5V$	I_m	0.02			mA
TEC current	I_{TEC}		1	3	A
Thermistor resistance @ 25°C		9.5	10.0	10.5	KOhm
Storage temperature	T_{stg}	-40		70	°C
Operating case temperature	T_c	0		60	°C
Lead soldering temperature @ 10s	-			260	°C

Spectrum



Pin Configuration

