

Multi mode fiber coupled laser diode, 20mW @ 808nm, QFLD-808-20MAX



- Single mode Fabry Perot (FP) laser.
- CW or pulsed operation, 0.5ns rise time.
- Operating temperature range -20 °C to +50°C.
- Wavelength/temperature coefficient 0.2nm/°C
- Built-in monitor photodiode.
- Multimode fiber pigtail (50/125um).
- Optional FC/PC or FC/APC connector.



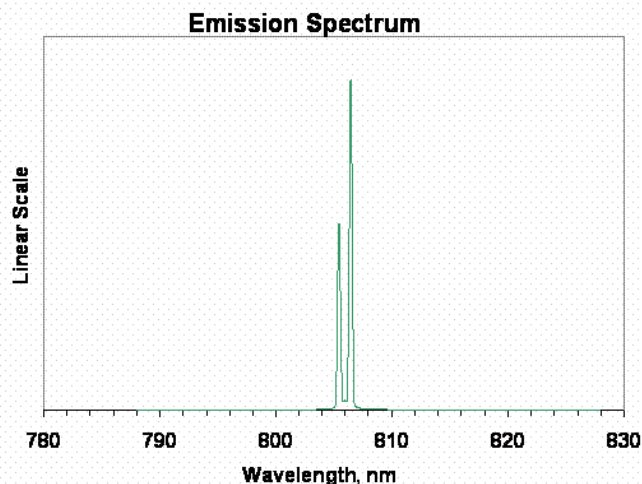
[View Sample Datasheet PDF](#)

Specifications

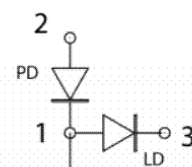
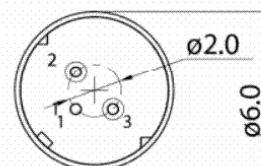
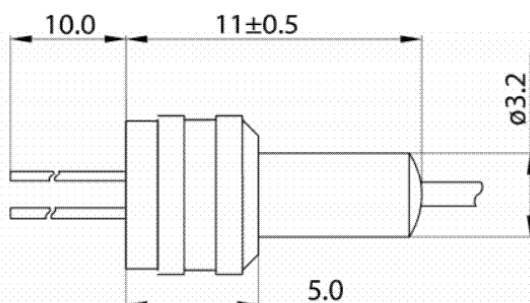
Test conditions: temperature 25°C, CW operation

Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f		20	40	mW
Wavelength	λ_c	803		813	nm
Wavelength v/s temperature coefficient	$d\lambda/dT$		0.2		nm/°C
Spectral linewidth (FWHM)	$\Delta\lambda$		1	2	nm
Forward current	I_f		100	130	mA
Threshold current	I_{th}		79	89	mA
Forward voltage	V_f		1.7	2.2	V
Rise time in pulse mode	t_r		0.5		ns
Monitor current @ $V_{rPD}=5V$	I_m		0.5	1.5	mA
Storage temperature	T_{stg}	-40		80	°C
Operating case temperature	T_c	-20		50	°C
Lead soldering temperature @ 10s	-			260	°C

Spectrum



Pin Configuration



1. Case, LD Anode, PD Cathode
2. PD Anode
3. LD Cathode