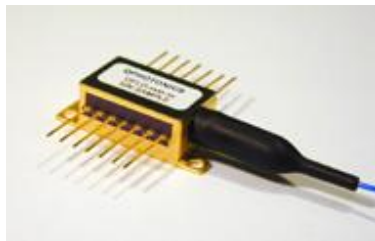


Multimode fiber coupled laser diode, 40mW @ 520nm, QFLD-520-40M



- Multi-mode Fabry Perot (FP) laser.
- CW or pulsed operation, 5ns rise time.
- Operating temperature range 0 °C to +50°C.
- Wavelength/temperature coefficient 0.1nm/°C
- Built-in thermo-electric cooler and thermistor.
- 100um/125um MM fiber (NA=0.27)
- Optional FC/PC or FC/APC connectors.



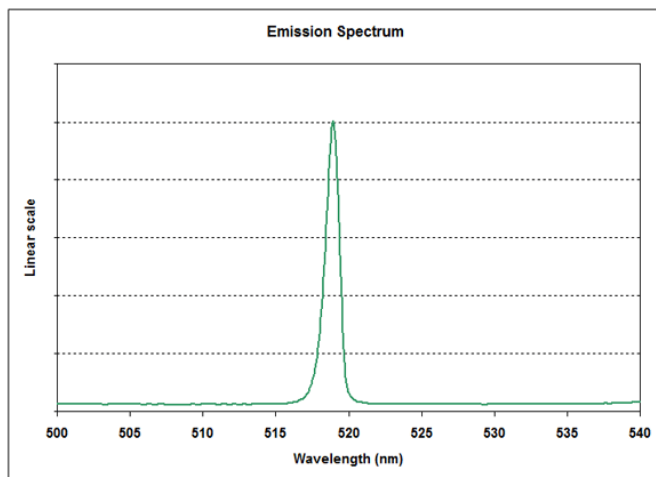
[View Sample Datasheet PDF](#)

Specifications

Test conditions: temperature 25°C, CW operation

Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f		40		mW
Wavelength	λ_c	510	520	530	nm
Forward current	I_f		270	340	mA
Threshold current	I_{th}		150		mA
Forward voltage	V_f		5.8	7	V
Rise time in pulse mode	t_r		0.5		ns
TEC current	I_{TEC}			3	A
Thermistor resistance @ 25°C		9.5	10	10.5	KOhm
Lead soldering temperature @ 10s	-			260	°C
Storage temperature	T_{stg}	-40		70	°C
Operating case temperature	T_c	0		60	°C

Spectrum



Pin Configuration

