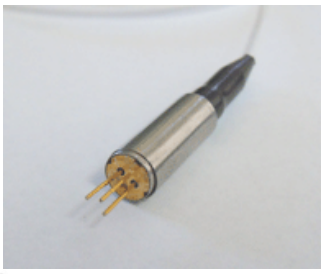
Multimode fiber coupled laser diode

80mW @ 635nm QFLD-635-80MAX



View Sample Datasheet PDF

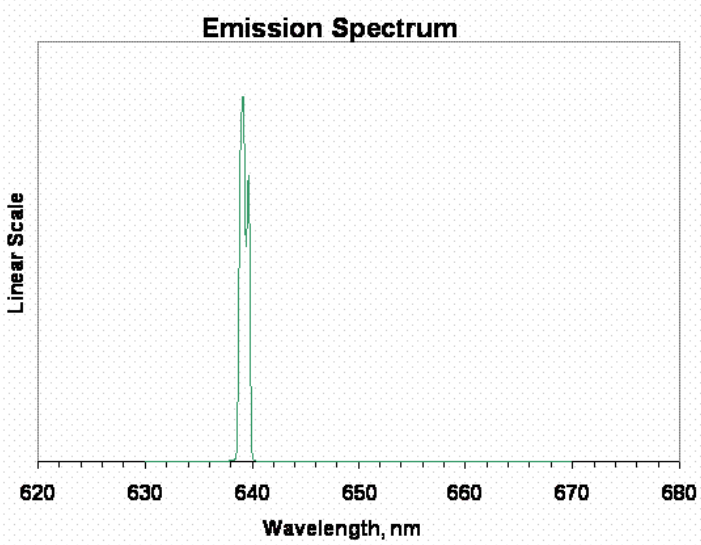
- Multi mode Fabry Perot (FP) laser.
- CW or pulsed operation, 0.5ns rise time.
- Low threshold current and high slope efficiency
- CW or pulsed operation.
- Operating temperature range -0 °C to +75°C.
- Wavelength/temperature coefficient 0.1nm/°C
- Multi mode fiber pigtail (105um core size MM fiber).
- Optional FC/PC or FC/APC connector

Specifications

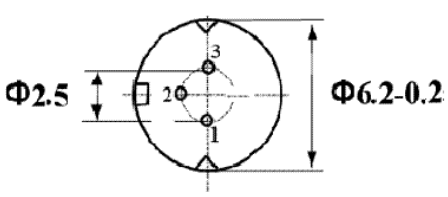
Test conditions: temperature 25°C, CW operation

Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f	60	80	100	mW
Wavelength	l_c	630		645	nm
Wavelength v/s temperature coefficient	dl/dT		0.1		nm/°C
Spectral linewidth (FWHM)	Dl		2	4	nm
Forward current	I_f		400		mA
Threshold current	I_{th}		150		mA
Forward voltage	V_f		2.2	2.5	V
Rise time in pulse mode	t_r		0.5		ns
Monitor current @ V_{rPD}=5V	I_m		N/A		mA
Storage temperature	T_{stg}	-35		80	°C
Operating case temperature	T_c	0		60	°C
Lead soldering temperature @ 10s	-			260	°C

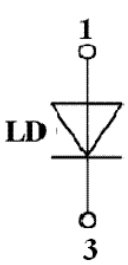
Spectrum



Pin Configuration



Pin	Connection
1	LD Anode
3	LD Cathode



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