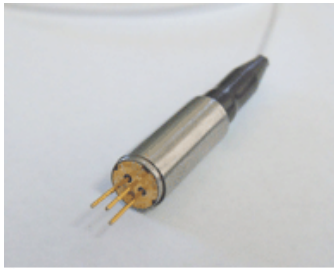


Multimode fiber coupled laser diode

50mW @ 655nm, QFLD-650-50MAX



- 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.
- Optional FC/PC or FC/APC connector



[View Sample Datasheet PDF](#)

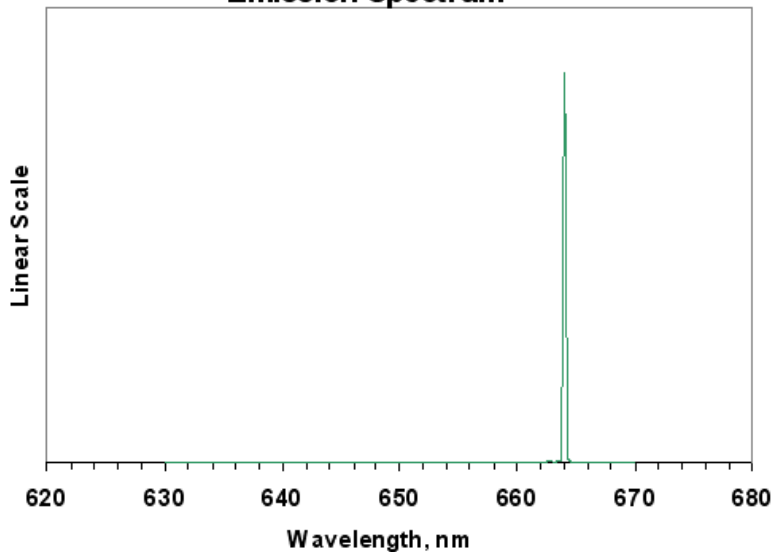
Specifications

Test conditions: temperature 25°C, power 50mW, CW operation

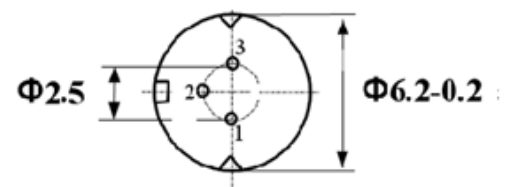
Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f	45	50	60	mW
Wavelength	λ_c	645		668	nm
Wavelength v/s temperature coefficient	$d\lambda/dT$		0.1		nm/°C
Spectral linewidth (FWHM)	$\Delta\lambda$		1.0	3.0	nm
Forward current	I_f		170	190	mA
Threshold current	I_{th}		60	70	mA
Forward voltage	V_f		2.7	2.9	V
Rise time in pulse mode	t_r		0.5		ns
Monitor current @ $V_{rPD}=5V$	I_m		0		mA
Storage temperature	T_{stg}	-35		80	°C
Operating case temperature	T_c	0		60	°C
Lead soldering temperature @ 10s	-			260	°C

Spectrum

Emission Spectrum



Pin Configuration



Pin	Connection
1	LD Anode
2	LD Cathode

