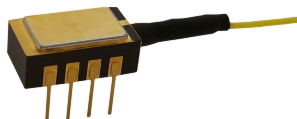


FPL-1064-8DL-5



Single mode Fabry-Perot laser diode module designed for optical measurement and communication. The laser is packaged in miniDIL package with monitor photodiode. Module is pigtailed with 0.5-0.9 m of single mode or polarization maintaining (optional) fiber and connectorized by FC/PC connector.

Optical and electrical characteristics:

Parameter	Symbol	Test condition	Min.	Typ.	Max.	Unit
Optical Power	P_f	CW	5			mW
Pulsed Optical Power	P_{fp}	Pulse, $\tau=10\mu s$, $D=1\%$		20		mW
Threshold Current	I_{th}		3	5	9	mA
Forward Current	I_f	P_f	15	20	30	mA
Pulsed Forward Current	I_{fp}	P_{fp} , $\tau=10\mu s$, $D=1\%$		100		mA
Forward Voltage	V_f	P_f			2.5	V
Center Wavelength	λ_c	P_f	1054	1064	1074	nm
Spectral Width	$\Delta\lambda_c$	P_f		1	3	nm
Monitor Current	I_m	P_f	20		500	μA
PD Dark Current	I_d	$V_{rd}=5V$			0.1	μA
Extinction Ratio (PM fiber)	X_p	P_f	20			dB

Absolute maximum ratings:

Parameter	Symbol	Rating	Unit
Forward Current	I_f	100	mA
Reverse Voltage	V_r	1.8	V
PD Reverse Voltage	V_{rd}	7	V
Minimum Operation Case Temperature	T_{ol}	-40	$^{\circ}C$
Maximum Operation Case Temperature	T_{oh}	70	$^{\circ}C$
Minimum Storage Temperature	T_{sl}	-40	$^{\circ}C$
Maximum Storage Temperature	T_{sh}	70	$^{\circ}C$

Packaging:

miniDIL:			
№	Parameter	№	Parameter
1	NC	5	PD anode -
2	LD anode +	6	LD -, case
3	LD -, case	7	NC
4	PD cathode +	8	NC

