

850/1310nm Dual Laser Diode

Features

1310nm FP LD
 850nm VCSEL LD
 Built-in back-lit monitor
 Low threshold
 High stability
 Coaxial package with MM fiber



Applications

Fiber optic communication
 Fiber optic instruments

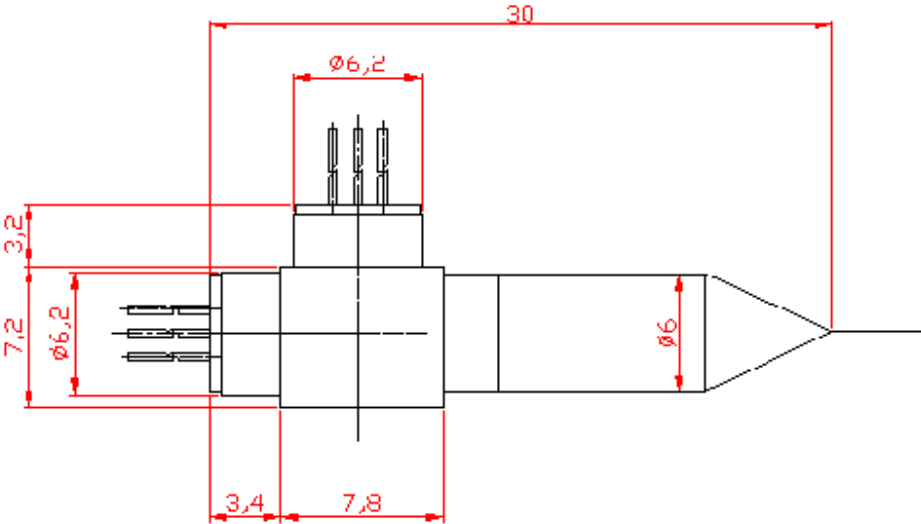
Specifications

1310nm Parameter	Sympol	Tested Condition	Min.	Typ.	Max.	Unit
Output Power	Pout	Iop=lth+20	0.2	-	1.5	mW
Central Wavelength		CW	1290	1310	1330	nm
Spectral Width		CW	-	-	5	nm
Threshold Current	Ith	CW	-	-	15	mA
Working Current	Iop	CW	-	Ith+20	-	mA
Rising/Fall Time	Tr/Tf	CW	-	-	0.7	ns
Detector Current	Im	CW	50	-	-	uA
Detector Current Dark	Id	CW	-	-	10	nA

850nm Parameter	Sympol	Tested Condition	Min.	Typ.	Max.	Unit
Output Power	Pout	Iop=10mA	0.1	-	0.4	mW
Central Wavelength		CW	830	850	860	nm
Spectral Width		CW	-	-	5	nm
Threshold Current	Ith	CW	-	-	5	mA
Working current	Iop	CW	-	10	-	mA
Rising/Fall time	Tr/Tf	CW	-	-	0.7	ns
Detector Current	Im	CW	10	-	-	uA
Detector Current Dark	Id	CW	-	-	10	nA

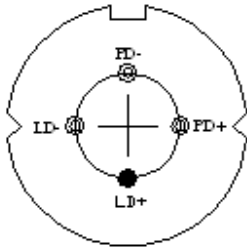
Absolute Maximum Ratings

Parameter	Sybol	Value	Unit
850nm LD Forward Current	$I_{F(LD)}$	20	mA
850nm LD Reverse Voltage	$V_{R(LD)}$	2	V
1310nm LD Forward Current	$I_{F(LD)}$	100	mA
1310nm LD Reverse Voltage	$V_{R(LD)}$	2	V
Detector Working Current	$I_{F(PD)}$	2	mA
Detector Reverse Voltage	$V_{R(PD)}$	20	V
Working Temperature	T_{OP}	-20 ~ +65	
Storage Temperature	T_{ST}	-40 ~ +85	
Down-lead jointing temperature/time	-	240/10	/S

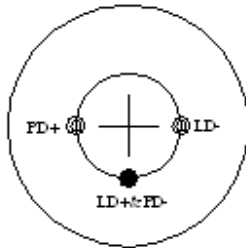


Unit:mm

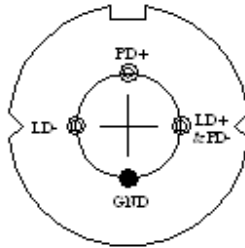
1310nm LD Pin Assignment



850nm LD Pin Assignment



1310nm LD Pin Assignment



850nm LD Pin Assignment

