

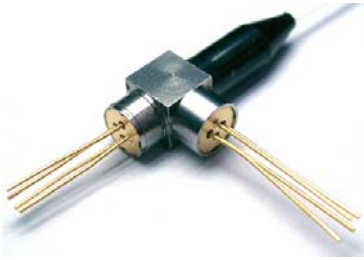
1310/1550nm DWL Module

Features

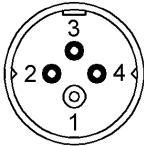
MQW 1310nm/1550nm FP LD
Built-in InGaAsP monitor PD
Wide temperature range operation
High Reliability

Applications

Light source



PIN assignment



	F type	S type
1	LD(+)/case	case
2	LD(-)	LD(-)
3	PD(-)	PD(+)
4	PD(+)	LD(+)/PD(-)

This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is high recommended. Follow guidelines according to proper ESD procedures.



LASER RADIATION
AVOID EXPOSURE TO BEAM
Class 3 B laser product

CAUTION
STATIC SENSITIVE DEVICE
OBSERVE PRECAUTIONS

Absolute maximum ratings

Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	T _{st}	-40	+100	°C	-
Operating temperature	T _{op}	-40	+85	°C	-
Reverse voltage	V _R		2	V	CW
Soldering temperature/time			260/10	°C /S	-

Optical & electrical characteristics(T=25°C)

1310nm LD Transmitter

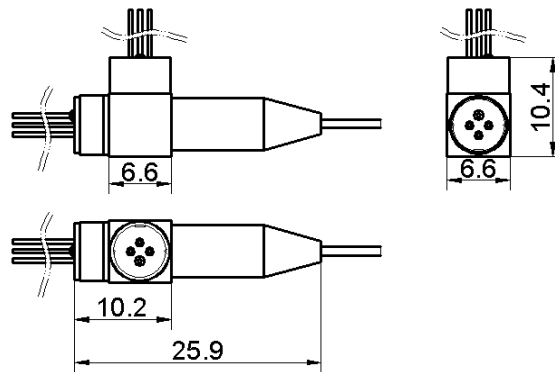
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ_c	1290	1310	1330	nm	-
Threshold current	I _{th}	-	10	15	mA	
Spectral width	$\Delta\lambda$	-	1	2	nm	CW, I _{th} +20mA
Output power	P	0.3	-	-	mW	APC, I _{th} +20mA
Operate voltage	V _{op}	-	1.1	1.5	V	CW, I _{th} +20mA
Monitor current	I _m	0.1	0.7	-	mA	CW, I _{th} +20mA

1550nm LD Transmitter

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ_c	1530	1550	1570	nm	-
Threshold current	I _{th}	-	10	15	mA	
Spectral width	$\Delta\lambda$	-	1	2	nm	CW, I _{th} +20mA
Output power	P	0.3	-	-	mW	APC, I _{th} +20mA
Operating voltage	V _{op}	-	1.1	1.5	V	CW, I _{th} +20mA
Monitor current	I _m	0.1	0.7	-	mA	CW, I _{th} +20mA

Note: "APC" represents operating LD by a constant monitor current

Dimensions Diagram



Order information

SDL	XX	X	X	XX
	wavelength	Power	Connect	Add info.
	35,1310/1550 nm	L, >0.2mW M, >1mW H, >2mW	1,FC/PC 2,SC/PC 3,ST/PC	

Copyright © 2008 by shinebon