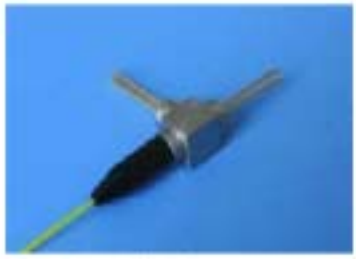
1310/1550nm Dual LD Module

--High output power

Features

1310/1550nm Fabry-Perot LDs
Wide temperature range operation
High output power
Low threshold
High reliability'Built-in monitor photodiode



Application

Optical communicatio system
Test instruments

Specification

1310nm parameter	Sympol	Test condition	Min	Typ	Max	Unit
Output power	Pout	Iop=Ith+20	1.0	-	2.0	mW
Central wavelength	λ	CW	1290	1310	1330	nm
Spectral width	Δ λ	CW	-	-	5	nm
Threshold current	Ith	CW	-	-	15	mA
Operating current	Iop	CW	-	Ith+20	-	mA
Rise/Fall time	Tr/Tf	CW	-	-	0.7	ns
Monitoring output current	Im	CW	50	-	-	uA
Dark current	Id	CW	-	-	10	uA

1550nm parameter	Sympol	Test condition	Min	Typ	Max	Unit
Output power	Pout	Iop=Ith+20	1.0	-	1.6	mW
Central wavelength	λ	CW	1530	1550	1570	nm
Spectral width	Δ λ	CW	-	-	5	nm
Threshold current	Ith	CW	-	-	15	mA
Operating current	Iop	CW	-	Ith+20	-	mA
Rise/Fall time	Tr/Tf	CW	-	-	0.7	ns
Monitoring output current	Im	CW	50	-	-	uA
Dark current	Id	CW	-	-	10	uA

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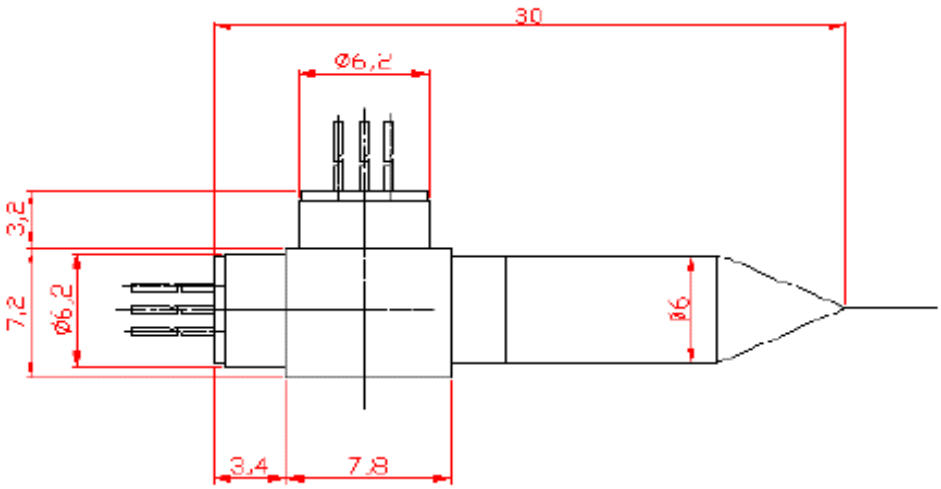
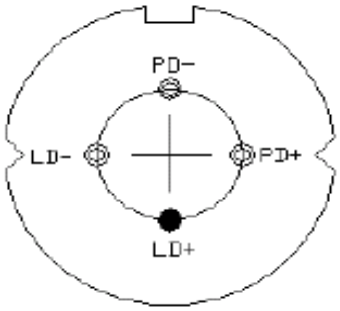
Absolute Maximum Ratings

Parameter	Sympol	Value	Unit
Continuous forward current	$I_{F(LD)}$	100	mA
Reverse voltage	$V_{R(LD)}$	2	V
Reverse voltage(PD)	$V_{R(PD)}$	20	V
Case temperature	T_{OP}	-20~+65	℃
Storage temperature	T_{ST}	-40~+85	℃



Unit:mm

1310nm LD Pin Assignment



1550nm LD Pin Assignment