Model FOD3523B
Triple Laser Diode Module 1310/1550/1625 nm for OTDR

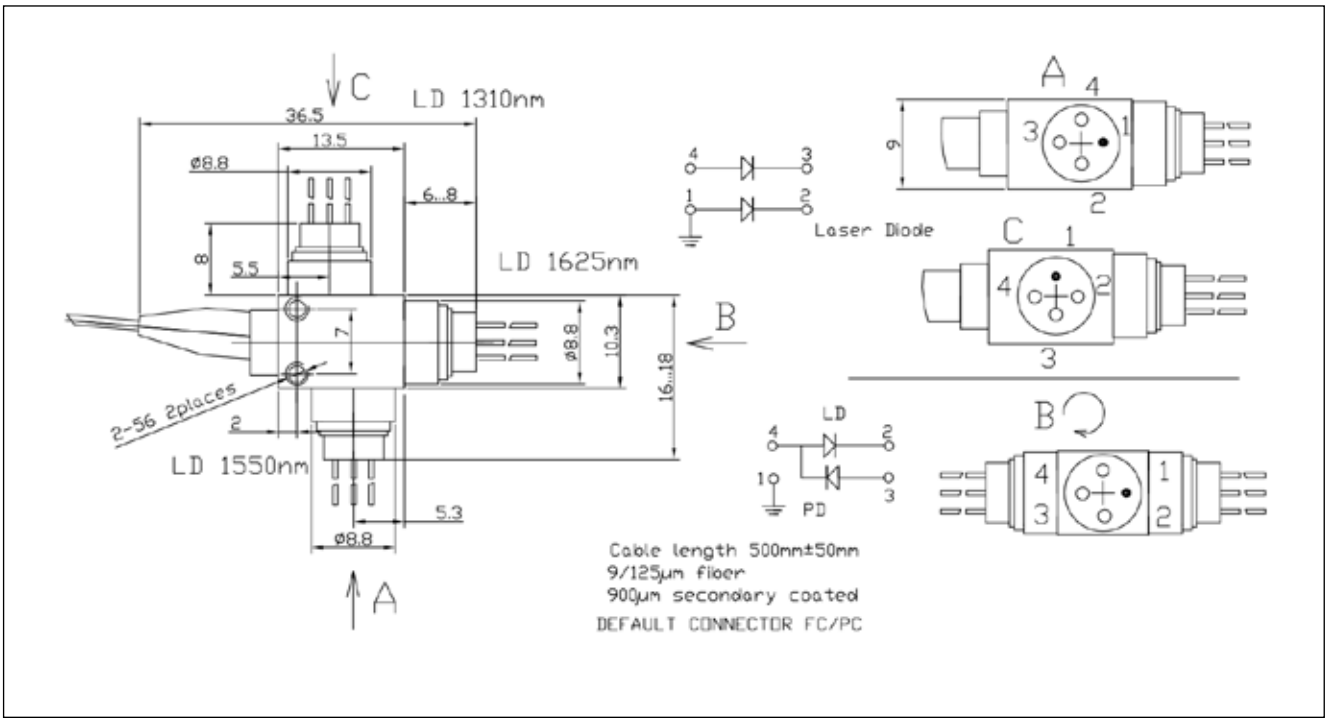
DESCRIPTION

Fabry-Perot lasers provide good stability in both OTDR and Light Source modes. Internal monitor photodiode is necessary for Automatic Power Control. Low threshold and operating current guarantee low self heating and excellent reliability.

RoHS Compliant

ABSOLUTE MAXIMUM RATINGS			
Parameter	***Symbol***	***Ratings***	***Unit***
Maximum CW Output Power	Pmax	2	mW
Laser Diode Reverse Voltage	Vrld	2	V
Operating Temperature	Top	-10 to +50	°C
Storage Temperature	Tst	-20 to +70	°C
Photodiode Reverse Voltage	Vrpd	20	V

TECHNICAL SPECIFICATIONS at 23°C						
Parameter	***Symbol***	***Test conditions***	***Min.***	***Typ.***	***Max.***	***Unit***
Central Wavelength	**λc**	**Pcw=1mW**	**1290**	**1310**	**1330**	**nm**
Spectral Width	Δλ	Pcw=1mW	-	1	2	nm
CW Output Power	Pcw	SMF28e	1.0	2.0	-	mW
Pulse Output Power	Pp*	10% top slope	15	25	-	mW
Threshold Current	Ith	10μW	3	5	10	mA
Operation Current	Iop	Pp=15mW	-	-	500	mA
Operation Voltage	Vop	Pp=15mW	-	2.5	3.5	V
Monitor Current	Im	Pcw=1mW	0.1	0.5	0.9	μA
Central Wavelength	**λc**	**Pcw=1mW**	**1530**	**1550**	**1570**	**nm**
Spectral Width	Δλ	Pcw=1mW	-	1.5	3	nm
CW Output Power	Pcw	SMF28e	1.0	-	-	mW
Pulse Output Power	Pp*	10% top slope	15	25	-	mW
Threshold Current	Ith	10μW	3	10	20	mA
Operation Current	Iop	Pp=15mW	-	-	500	mA
Operation Voltage	Vop	Pp=15mW	-	2.4	3.5	V
Monitor Current	Im	Pcw=1mW	0.1	0.5	1	μA
Central Wavelength	**λc**	**Pcw=1mW**	**1615**	**1625**	**1635**	**nm**
Spectral Width	Δλ	Pcw=1mW	-	4	8	nm
CW Output Power	Pcw	SMF28e	2.0	-	-	mW
Pulse Output Power	Pp*	10% top slope	15	30	-	mW
Threshold Current	Ith	10μW	-	45	60	mA
Operation Current	Iop	Pp=15mW	-	-	750	mA
Operation Voltage	Vop	Pp=15mW	-	2.4	3.5	V
Monitor Current	Im	Pcw=1mW	0.1	0.5	0.9	μA
****duty rate ≤1%, 10 μs, pulse drop <10 %***						


C
LD 1310nm
36.5
13.5
ø8.8
6..8
8
5.5
LD 1625nm
7
ø8.8
10.3
16..18
B
2-56 2places
2
LD 1550nm
5.3
ø8.8
A
4
3
1
2
Laser Diode
9
A
4
3
1
2
C
1
4
2
3
LD
4
2
1
3
PD
B
4
1
3
2
Cable length 500mm±50mm
9/125µm fiber
900µm secondary coated
DEFAULT CONNECTOR FC/PC