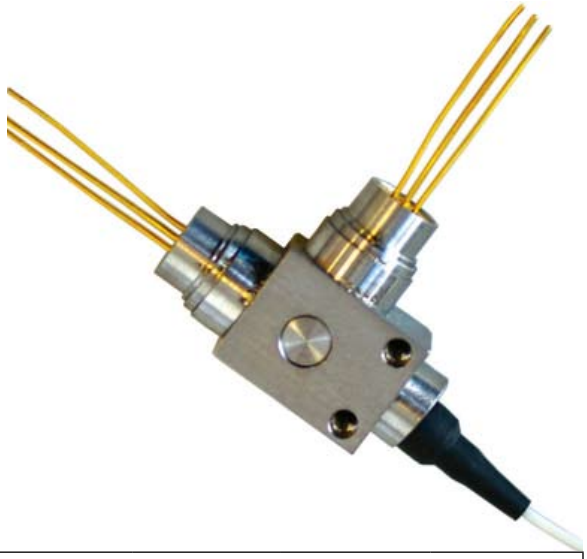
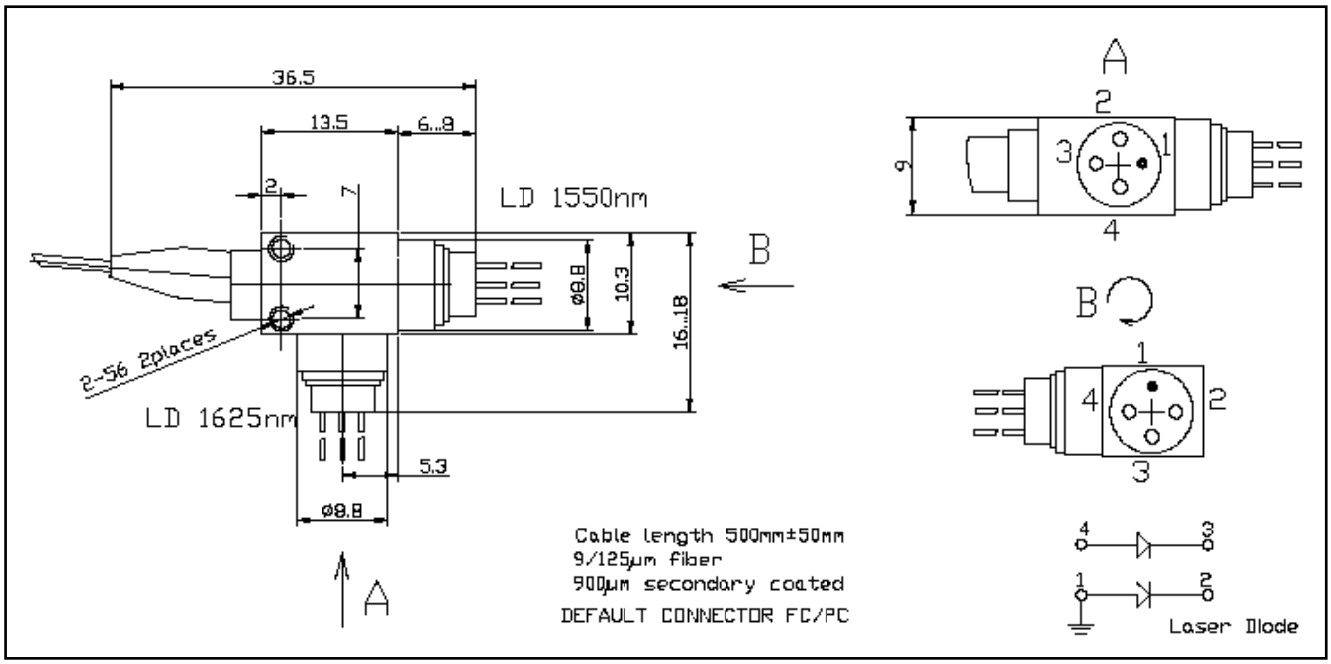
Model FOD3503
Dual Laser Diode Module 1550/1625 nm

DESCRIPTION
Two long wavelengths help to find all bending events and test fiber at most popular 1550 nm wavelength. Compact module for compact test sets and OTDR-s.

RoHS Compliant



ABSOLUTE MAXIMUM RATINGS			
Parameter	***Symbol***	***Ratings***	***Unit***
Maximum Pulse Output Power	Ppmax	20	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	15	V

TECHNICAL SPECIFICATIONS at 23°C						
Parameter	***Symbol***	***Test conditions***	***Min.***	***Typ.***	***Max.***	***Unit***
Central Wavelength	**λc**	**Pcw=1.5mW**	**1620**	**1625**	**1630**	**nm**
Spectral Width	Δλ	Pcw=1mW	-	2.5	-	
CW Output Power	Pcw	SMF28e	1.5	-	-	mW
Pulse Output Power	Pp	SMF28e	20	-	-	mW
Pulse Operation Current	Iopp	Pp=20mW	-	-	250	mA
Threshold Current	Ith	10μW	-	10	20	mA
Operation Current	Iop	Pcw=1.5mW	-	30	50	mA
Operation Voltage	Vop	Pcw=1.5mW	-	1.2	1.5	V
Monitor Current	Im	Pcw=1.5mW	0.1	0.5	1.5	mA
Central Wavelength	**λc**	**Pcw=1.5mW**	**1530**	**1550**	**1570**	**nm**
Spectral Width	Δλ	Pcw=1mW	-	1.5	-	
CW Output Power	Pcw	SMF28e	1.5	-	-	mW
Pulse Output Power	Pp	SMF28e	28	-	-	mW
Pulse Operation Current	Iopp	Pp=20mW	-	-	250	mA
Threshold Current	Ith	10μW	-	8	15	mA
Operation Current	Iop	Pcw=1.5mW	-	-	40	mA
Operation Voltage	Vop	Pcw=1.5mW	-	1.1	1.5	V
Monitor Current	Im	Pcw=1.5mW	0.1	0.5	1.5	mA