

1550nm Coaxial LASER DIODE

Features

MQW F-P LD
 Low threshold current
 High stability
 Coaxial package with SM fiber
 Built-in back-lit monitor

**Applications**

Fiber optic communication
 Cable TV transmission
 Fiber optic instruments

Specifications

Parameter	Smpol	Tested Condition	Min.	Typ.	Max.	Unit
Output Power	Pout	Iop=Ith+20	0.2	-	1.0	mW
Central Wavelength		CW	1530	1550	1570	nm
Spectral Width		CW	-	2	5	nm
Threshold Current	Ith	CW		10	15	mA
Operating Current	Iop	CW	-	Ith+20	-	mA
Rise /Fall Time	Tr/Tf	CW	-	-	0.5	ns
Detector Current	Im	Cw	100	-	-	uA
Detector Dark Current	Id	CW	-	-	0.1	nA

Absolute Maximum Ratings

Parameter	Sym.	Value	Unit
LD forward current	$I_{f(LD)}$	100	mA
LD reverse voltage	$V_{R(LD)}$	2	V
Monitor working current	$I_{f(PD)}$	2	mA

Monitor 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

Pin definition:

1 . LD P (+)	2 . LD N (-)
3 . Detector N (-)	4 . Detector P (+)

