

1550nm OTDR Coaxial LD

Features:

MQW F-P LD
 Low threshold current
 High stability
 Coaxial package with SM fibre

Applications:

Fibre-optic communication
 Fibre-optic sensors
 Instruments & Equipment



Specifications:

Parameter	Sympol	Tested condition	Min.	Typ.	Max.	Unit
Threshold	I _{th}	CW	-	30	50	mA
Operating	I _{op}	CW, P _o =3mW	-	50	180	mA
Operating	V _{op}	Pulse, I _F =700mA	-	3	4.5	V
Output power	P _{out}	Pulse, I _F =700mA	30	60	-	mW
Spectral width		Pulse, I _F =700mA	-	7	10	nm
Central wavelength		Pulse, I _F =700mA	1520	1550	1580	nm

Note : Duty cycle=1%, pulse width less than 10us

Absolute Maximum Ratings:

Parameter	Sympol	Tested condition	Reference value	Unit
LD forward current	I _F	Pulse	1000	mA
LD reverse voltage	V _R	-	2	V
Operating temperature	T _{OP}	-	-20 ~ +50	
Storage temperature	T _{ST}	-	-40 ~ +100	
Down-lead jointing temperature/time	-		240/10	/S

Pin definition:

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



