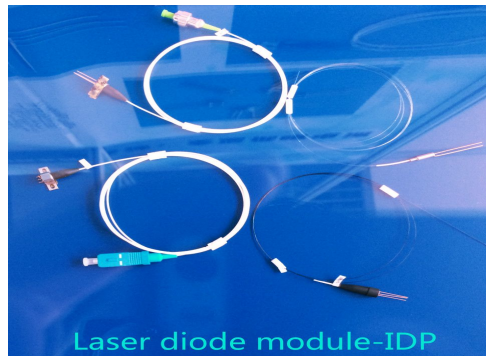


IDPDL5125-1.25G 1550nm DFB LD Module



1550nm coaxial DFB-LD, power :1-2mW, SMF pigtailed, without isolator

Specification

Parameter	Symbol	Test	Min	Type	Max	Unit
Rated Output Power	Pout	Iop=Ith+20	1	1.0	2.0	mW
Center Wavelength	λ	CW	1520	-	1580	nm
Spectral Width	$\Delta\lambda$	CW	-	-	1.0	nm
Threshold Current	Ith	CW	-	10	15	mA
Operating Current	Iop	CW	-	Ith+2	-	mA
Side Mode Suppression	Sr	0-70°C	30	-	-	dB
Isolation			32	-	-	dB
Rise and Fall Times	Tr/Tf	CW	-	0.15	0.3	ns
Monitor Current	Im	CW	100	400		uA
Monitor Dark Current	Id	CW	-	-	10	nA

Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Forward Current (LD)	$I_{F(LD)}$	100	mA
Reverse Voltage (LD)	$V_{R(LD)}$	2	V
Operating Current (PD)	$I_{F(PD)}$	2	mA
Reverse Voltage(PD)	$V_{R(PD)}$	20	V
Operating Temperature	T_{OP}	-20 ~ +65	°C
Storage Temperature	T_{ST}	-40 ~ +85	°C
Lead Soldering	-	240/10	°C/S

Pin Assignment:

1. LD+&CASE	2. LD-
3. PD-	4. PD+

