

850nm Laser Diode

Features:

- ◆ VSCSEL
- ◆ Low threshold current
- ◆ High stability
- ◆ High bandwidth
- ◆ Coaxial package with MM 62.5um fiber

Applications:

- Fiber Optic Communication
- Fiber Optic Sensors
- Equipments & Instruments



Specifications:

Parameter	Symbol	Tested Condition	Min.	Typ.	Max.	Unit
Output Power	P _{out}	I _{op} =12mA	0.2	-	0.5	mW
Central Wavelength	λ	CW	840	850	860	nm
Spectral Width	$\Delta \lambda$	CW	-	-	0.85	nm
Threshold	I _{th}	CW	-	3	6	mA
Working Current	I _{op}	CW	-	12	-	mA
Forward Voltage	V _f	I _{op} =12mA	1.9	2.0	2.1	V
Rising/Fall Time	Tr/Tf	CW	-	250	-	ps

Absolute Maximum Ratings:

Parameter	Symbol	Value	Unit	
Forward Current	I _F	15	mA	
Reverse Voltage	V _R	5	V	
Working Temperature	T _{OP}	-20 ~ +65	°C	
Storage Temperature	T _{ST}	-40 ~ +85	°C	
Down-lead Temp./Time	Jointing	-	240/10	°C/S

Pin Definition:

1 . LD (-)	2 . LD (+) & Detector (-)
3 . Detector (+)	

