eoptolink®

8VSIMJEO

Ordering information (Standard version *Note1)

Part No.	Data Rate	Peak wavelength	LD Type	Pin Type	Isolator
8VSIMJEO	16Gbps	850nm	VCSEL	LD-Pin-I	NONE

*Note1: For more ordering information, please refer the nomenclature and contact EPOTOLINK sales.

Absolute maximum ratings *Note2

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Top	0	85	℃
Storage Temperature	Tstg	-40	85	℃
Reverse current (PD)	IrP	—	12	mA
Soldering temperature	Stemp	—	260/10	℃/Sec

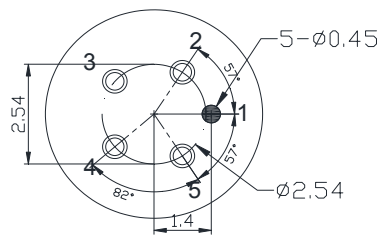*Note2: Exceeding any one of these values may destroy the device immediately.

Electrical and optical characteristics

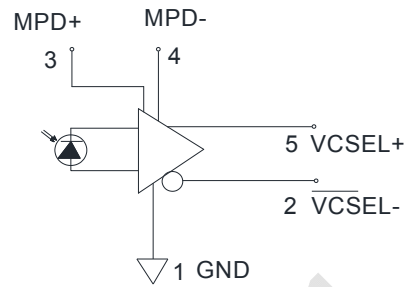(MMF(50/125μm), Tc=+25°C, unless otherwise noted.)

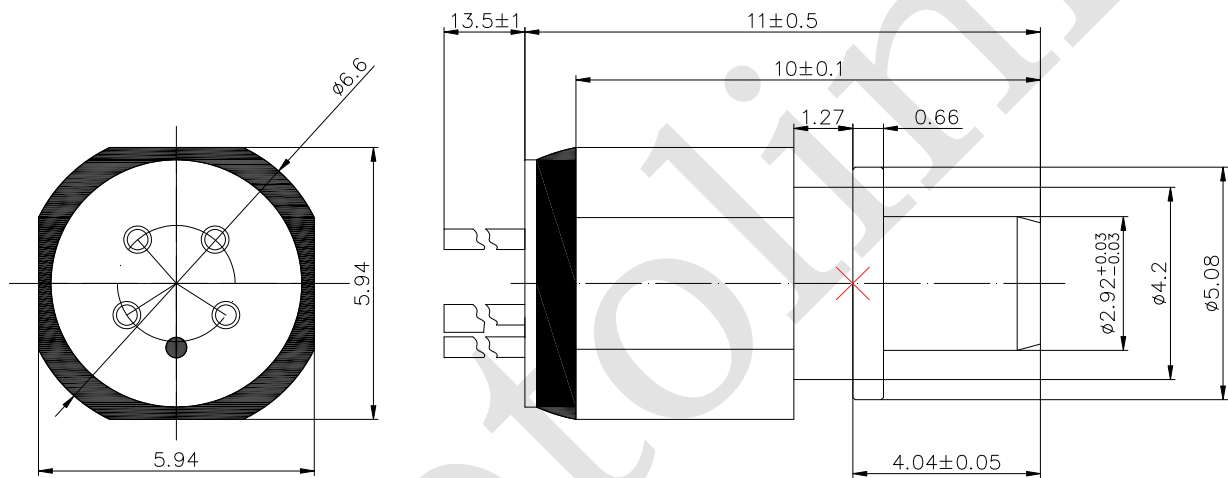| Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Peak Wavelength	λp	840	850	860	nm	Iop=6.5mA
λp Temp-Coeff	Δλp	—	0.06	—	nm/K	
Forward Voltage	Vf	—	—	2.5	V	
Optical Output Power	Po	0.6		0.8	mW	Iop=6mA,50/125um fiber
Threshold current	Ith	—	1.0	1.6	mA	T=25℃
				2.0		T=85℃
Spectral bandwidth (RMS)	Δλ	—	—	0.65	nm	Iop=6.5mA
Monitor Current	Ipd	30	40	50	uA	
Dark Current	Id			30	nA	Vr= 10V @ 25°C

Pin Assignment

TYPE: 21

LD-pin-I

TOSA Package series *Note3

*Note3:Laser mark can be customized.

Ordering Information

Order	Parameter	Detailed Description
A	Wavelength	8=850nm
B	LD Type	V=VCSEL
C	Data rate	S=16G
D	Pin Type	I=LD-pin-I
E	Power Range	M=MMF50/125
F	Connector Type	J=Insulated
G	TX Chip Type	EO=EOPTOLINK

Precaution

(1) The modules should be handled in the same manner as ordinary semiconductor devices to prevent the electro-static damages. For safe keeping and carrying, the modules should be packaged with ESD proof material. To assemble the modules on PCB, the workbench, the soldering iron and the human body should be grounded.

(2) Please pay special attention to the atmosphere condition because the dew on the module may

cause some electrical damages.

(3) Under such a strong vibration environment as in automobile, the performance and reliability are not guaranteed.

Obtaining Document

You can visit our website:

http://www.eoptolink.com

Or contact Eoptolink Technology Inc., Ltd. listed at the end of the documentation to get the latest documentation.

Revision History

Verision	Initiated	Reviewed	Approved	Revision History	Release Date
Va-1	Zore.Zhao	James.liu	Vincent.Yu	The initial	2020-08-16

Notice:

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