

520nm 10mW FP Pigtail Laser Diode

1. Features:

- Single mode FP LD;
- TO-56 package;
- High reliability, long life(>2000H);
- Operating temperature range:-20~60°C;
- Telcordia GR-468 reliability test standard.

2. Applications:

- Entertainment;
- Outdoor&Industrial lighting;
- Functional illumination;
- Projection.

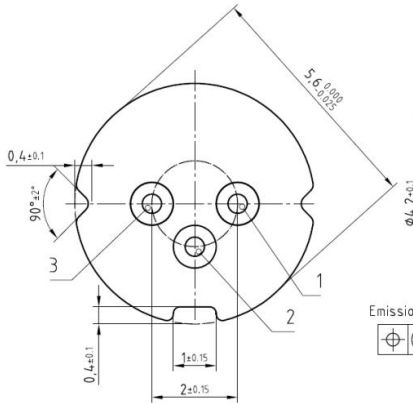
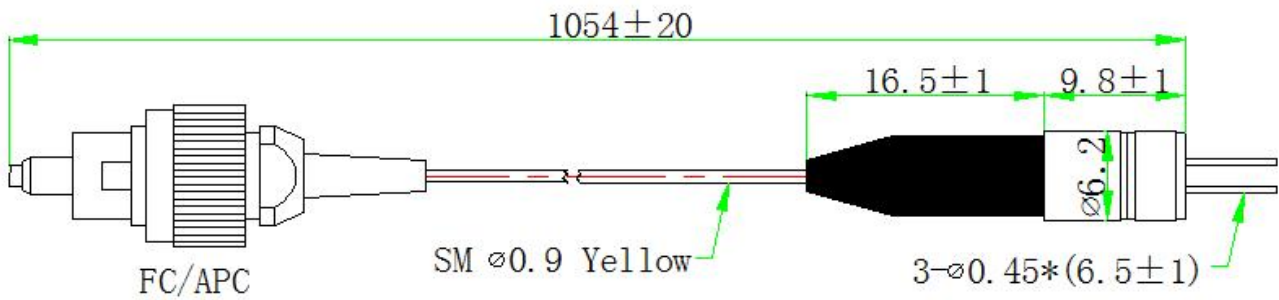
3. Absolute Maximum Ratings (Tc=25°C):

Parameter	Symbol	Ratings	Unit
LD Reverse voltage	V _{RLD}	2	V
Operating case temperature	T _{OP}	-20 ~ +60	°C
Storage Temperature	T _{ST}	-40 ~ +85	°C
Lead soldering(Temperature)/(Time)	-	260/10	°C/Sec

4. Optical-Electro Characteristics:

Parameter	Symbol	Test Condition	Min	Typ.	Max	Unit
Center wavelength	λ _C	P _{OP} = P _F	510	520	530	nm
Optical output power	P _F	I _F = 65mA	5.0	-	-	mW
Threshold current	I _{TH}	CW	-	22	40	mA
Operating voltage	V _F	CW	-	5.8	6.5	V
Operating current	I _F	CW	-	60	80	mA
Fiber type	-	-	460-HP			

5. Package Drawing&PIN-OUT Definition(Unit:mm):



PIN No.	Symbol
1	LD Cathode
2	LD Anode/PD Cathode
3	PD Anode

6. Odering Information

BLD-F52010F-FA

BLD	-X	XX	XX	X	-XX
LD	Chip type	Wavelength	Output power	PIN-OUT	Connector
Laser diode	F: FP	520: 520nm	10: 10mW Other	F: Type F	FA: FC/APC